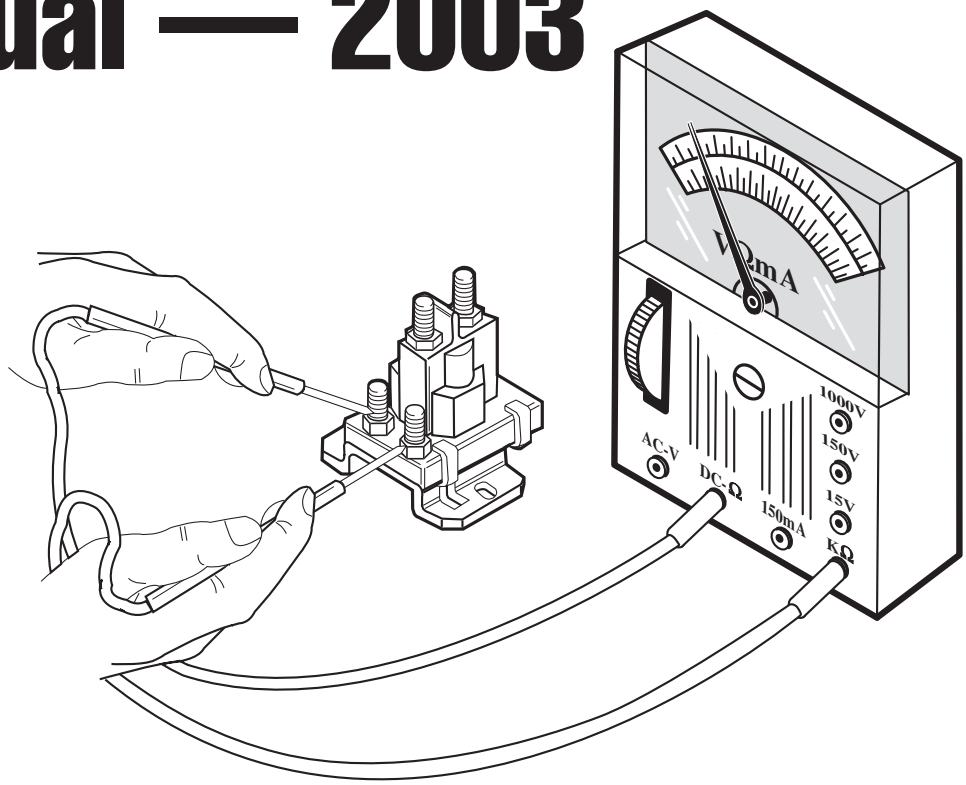
Simplicity®

MANUFACTURING, INC.

Electrical Information Manual — 2003



Wiring Schematics and Specific Circuit Diagrams, including:

- Ignition Circuit
- Charging Circuit
- Clutch Circuit
- Safety Start & Operator Present Circuit

Simplicity® MASSEY FERGUSON AGCO

TP 700-3834-00-UV-SMA

Simplicity®

MANUFACTURING, INC.

500 N. Spring Street, P.O. Box 997
Port Washington, WI 53074-0997 USA

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ELECTRICAL INFORMATION INDEX 2002-2003

	Simplicity	*AGCO*	*Massey Ferguson*	*Page*
Legacy/2000/2900	**Legacy Series**	**2000 Series**	**2900 Series**	
20, 23 & 25 HP Units	1692870 20HP	1693124 20HP	1693132 20HP	2
	1692872 25HP	1693126 25HP	1693134 25HP	
	1693219 20HP	1693221 20HP	1693220 20HP	
	1693561 25HP FH	1693562 25HP FH	1693563 25HP FH	
	1693764 23HP	1693769 23HP	1693770 23HP	
20 HP Liq. Cool.	1692871 20HP	1693128 20HP	1693136 20HP	7
24.5 HP Diesel Units	1693112 24.5HP	1693130 24.5HP	1693138 24.5HP	12
Prestige/1800/2800	**Prestige Series**	**1800 Series**	**2800 Series**	
All Units	1694015 20HP	1694024 20HP	1694033 20HP	16
	1694016 20HP	1694025 20HP	1694034 20HP	
	1694017 23HP	1694026 23HP	1694035 23HP	
Conquest/1700/2700	**Conquest Series**	**1700 Series**	**2700 Series**	
All Units	1694011 16HP	1694020 16HP	1694029 16HP	20
	1694013 18HP	1694022 18HP	1694031 18HP	
	1694014 20HP	1694023 20HP	1694032 20HP	
Sovereign/900/2800	**Sovereign Series**	**900 Series**	**2800 Series**	
All Units	1692889 18HP-75th	1692949 18HP	1692953 18HP	24
	1692943 18HP	1692951 18HP	1692955 18HP	
	1692945 18HP	1693413 18HP	1693417 18HP	
	1693409 18HP	1693411 18HP PS	1693415 18HP PS	
	1693407 18HP PS			
Landlord/1700/2700	**Landlord Series**	**1700 Series**	**2700 Series**	
18 & 20 HP Units	1693381 18HP	1693397 18HP	1693403 18HP	28
	1603806 18HP	1693835 18HP		
	1693383 20HP	1693399 20HP	1693405 20HP	
23 HP	1693804 23HP	1693814 23HP	1693815 23HP	32
17 HP Liq. Cool.	1693379 17HP	1693395 17HP	1693401 17HP	36
Broadmoor/1600/2600	**Broadmoor Series**	**1600 Series**	**2600 Series**	
All Units except Hand	1693580 16HP	1693596 16HP	1693598 16HP	40
Control	1693592 16HP	1693671 16HP	1693622 16HP	
	1693600 18HP	1693602 18HP	1693604 18HP	
	1693817 16HP	1693821 16HP	1693875 16HP	
Hand Control Unit	1693694 17HP	1693698 17HP	1693700 17HP	44
	1693839 16HP	1693843 16HP	1693845 16HP	
NEW w/ Honda Engine	1694277 16HP		1694281 16HP	48
NEW w/ B&S/ Kohler Engine	1694009 16HP	1694018 16HP	1694027 16HP	52
	1694010 16HP	1694019 16HP	1694028 16HP	
Honda Engine Detail				56
B&S/ Kohler Engine Detail				57
Baron Series	**Baron Series**	**Baron Series**	**Baron Series**	
All Units	1693583 18HP	1693583 18HP	1693583 18HP	58
Regent/500/2500	**Regent Series**	**500 Series**	**2500 Series**	
14, 16 & 17 HP Hydro Units	1693325 14HP	1693341 14HP	1693347 14HP	62
	1693329 16HP	1693343 16HP	1693349 16HP	
	1693528 15HP	1693540 15HP	1693546 15HP	
	1693530 16HP	1693542 16HP	1693548 16HP	
	1693532 17HP	1693544 17HP	1693550 17HP	
	1693915 16HP	1693935 16HP	1693948 16HP	
	1693918 17HP	1693938 17HP	1693951 17HP	
	1694141 16HP			
14 HP Gear Units	1693323 14HP	1693339 14HP	1693345 14HP	66

ELECTRICAL INFORMATION INDEX 2002-2003

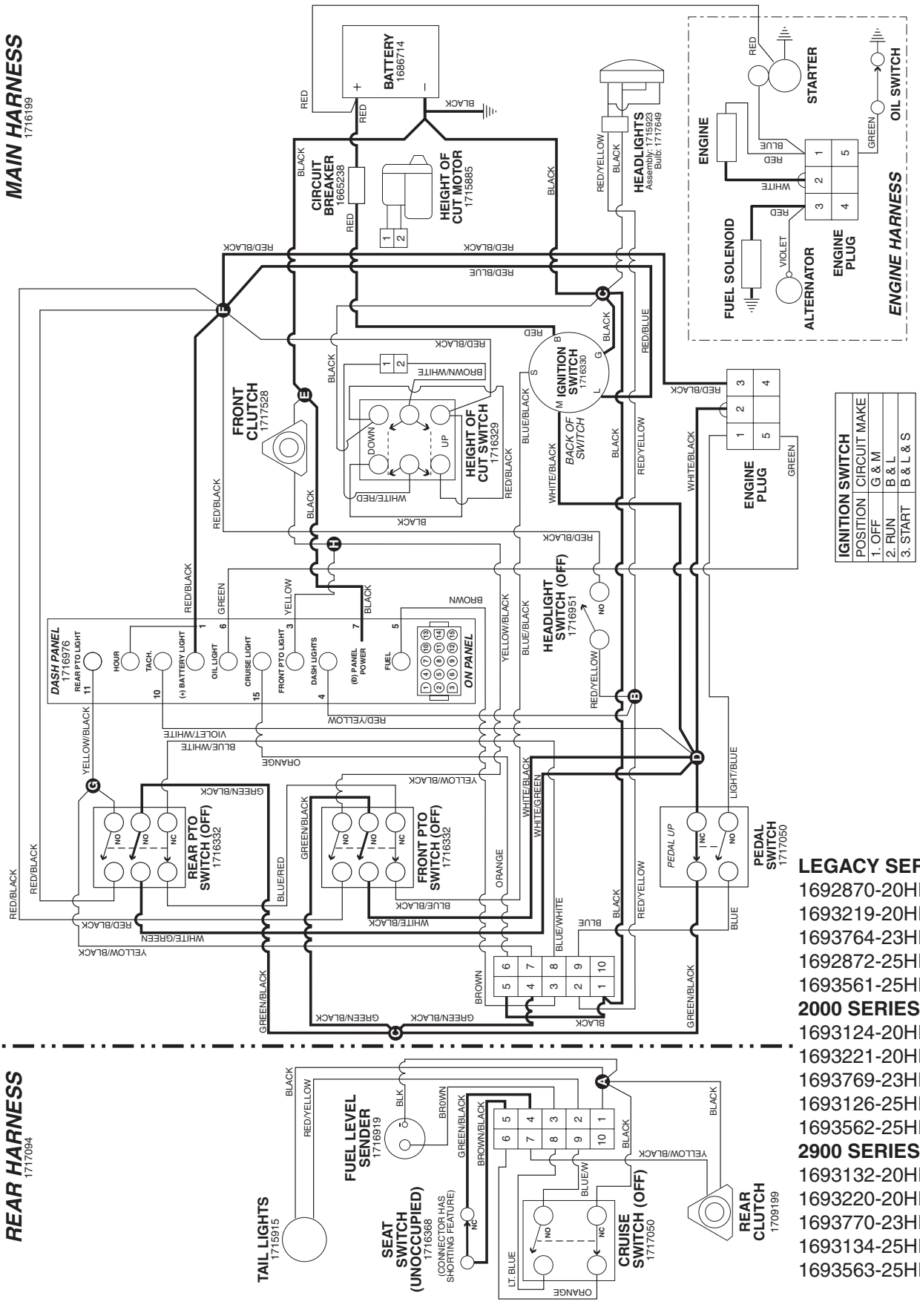
	Simplicity	*AGCO*	*Massey Ferguson*	*Page*
Express/Regent/500/2500	**Regent Series**	**500 Series**	**2500 Series**	
Gear & Hydro Units	1693452 14.5HP	1693452 14.5HP	1693452 14.5HP	70
	1693458 15.5HP-H	1693458 15.5HP-H	1693458 15.5HP-H	
	1693525 17HP-H	1693525 17HP-H	1693525 17HP-H	
	1693911 15HP	1693931 15HP	1693944 15HP	
	1693913 15HP-H	1693933 15HP-H	1693946 15HP-H	
Regent/500/2500	**Regent Series**	**500 Series**	**2500 Series**	
All Units	1694200 16HP			73
ZT & Coronet/400/2400	**ZT & Coronet Series**	**ZT & 400 Series**	**ZT & 2400 Series**	
Gear & Hydro Units	1693230 18HP	1693232 18HP	1693234 18HP	77
	1693286 14HP	1603296 14HP	1693300 14HP	
	1693288 16HP	1603298 16HP	1693302 16HP	
	1693467 14HP	1693469 14HP	1693471 14HP	
	1693473 16HP	1693475 16HP	1693477 16HP	
	1693305 13HP	1693317 14HP	1693321 14HP	
	1693307 14HP	1693315 11HP-G	1693319 11HP-G	
	1693303 11HP-G	1693882 13HP	1693884 13HP	
	1694083 16HP	1694084 16HP	1694085 16HP	
	1694115 16HP	1694117 16HP		
Lancer/4400	**Lancer Series**	**4400 Series**		
All Units	1694292	1694294		81
1390 Snowthrower				
All Units	1694237			85

The following safety starting and running conditions must be met for all electrical wiring, switches and related components.

1. All units must be tested for correct wiring and function of all circuits and switches.
2. Engine operation must stop when the following conditions prevail:
   A. Ignition switch is placed in the off position.
   B. The operator is not seated with either the transmission or the PTO in the engaged position and parking brake not applied. (Most models)
3. Engine must not start by conventional means unless all of the following conditions are met. Each condition must be checked thoroughly to insure proper operation sequences:
   A. Ignition switch is intentionally placed in the start position.
   B. Shift lever is in neutral.
   C. The PTO switch is in the disengaged position.
   D. The operator is seated. (Some models)
   E. Clutch/brake pedal must be fully depressed. (Most models)
4. Engine must remain running if operator is seated and the following conditions are met (Check thoroughly to insure proper operation):
   A. Transmission is engaged.
   B. PTO is engaged.
5. If operator is not seated, the engine must continue to run only if the following conditions are met:
   A. PTO is not engaged.
   B. Transmission is in neutral.
   C. Parking brake pedal is set. (Most models)
6. Function of seat switch must be tested with switch mounted in proper position.

NOTE: ALL SWITCH POSITIONS SHOWN WITH TRACTOR PARKED, ENGINE OFF, NO OPERATOR ON THE SEAT, AND PARKING BRAKE SET. (On most models.)

IGNITION CIRCUIT/SHUTDOWN CIRCUIT

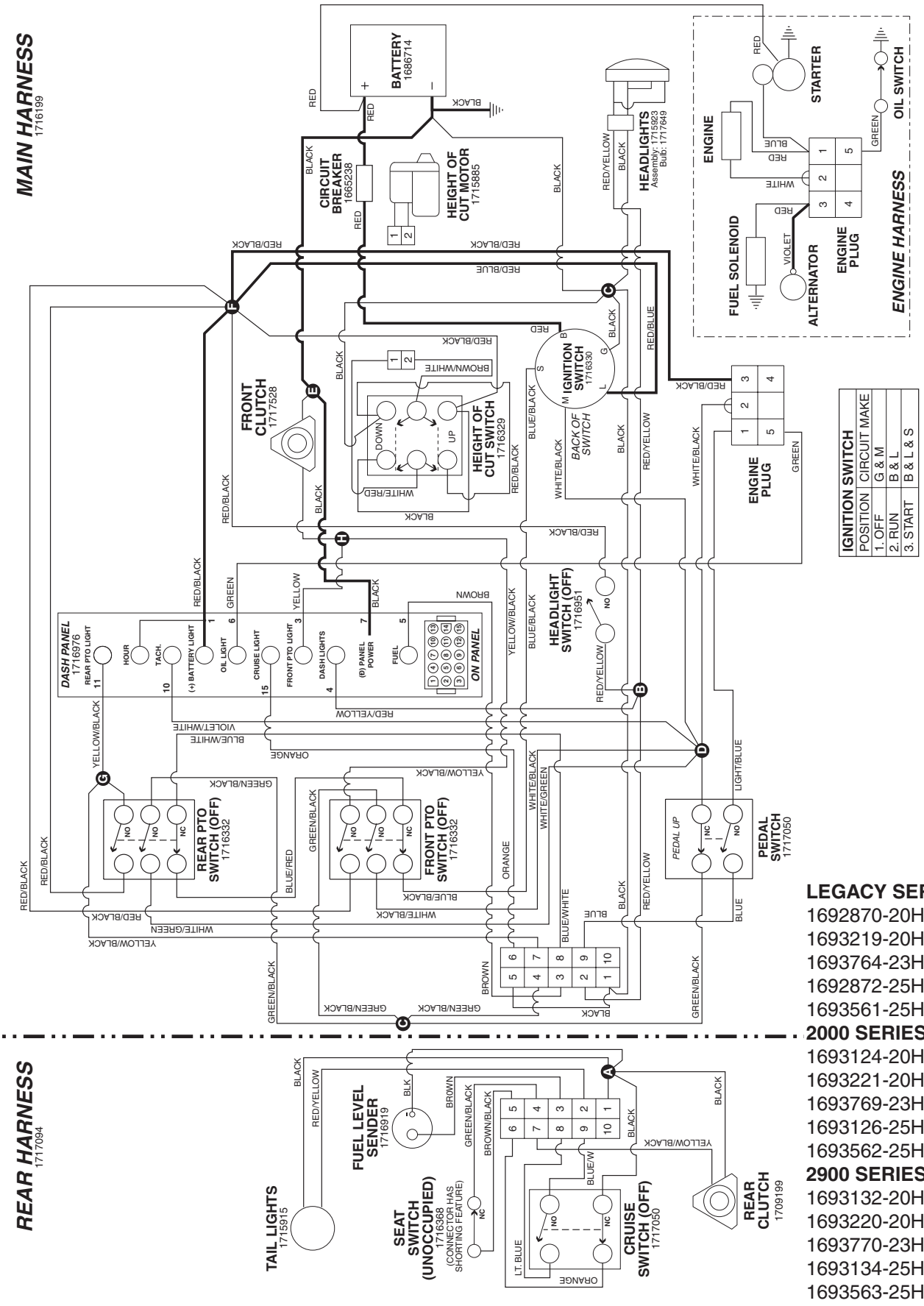


LEGACY SERIES
1692870-20HP
1693219-20HP
1693764-23HP
1692872-25HP
1693561-25HP FH

2000 SERIES
1693124-20HP
1693221-20HP
1693769-23HP
1693126-25HP
1693562-25HP FH

2900 SERIES
1693132-20HP
1693220-20HP
1693770-23HP
1693134-25HP
1693563-25HP FH

CHARGING CIRCUIT



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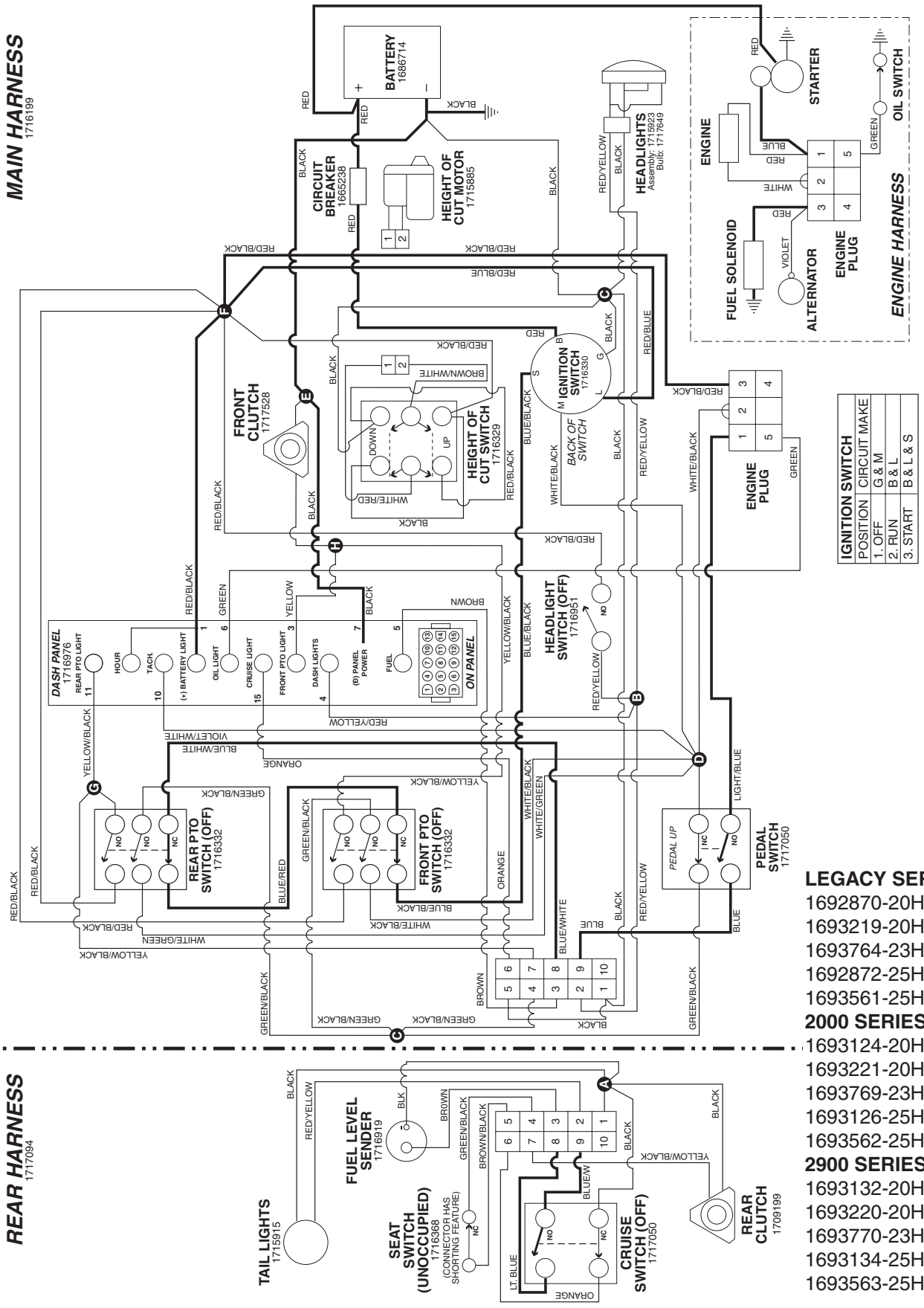
1693562-25HP FH

2900 SERIES
1693132-20HP
1693220-20HP
1693770-23HP
1693134-25HP
1693563-25HP FH

CRANKING CIRCUIT



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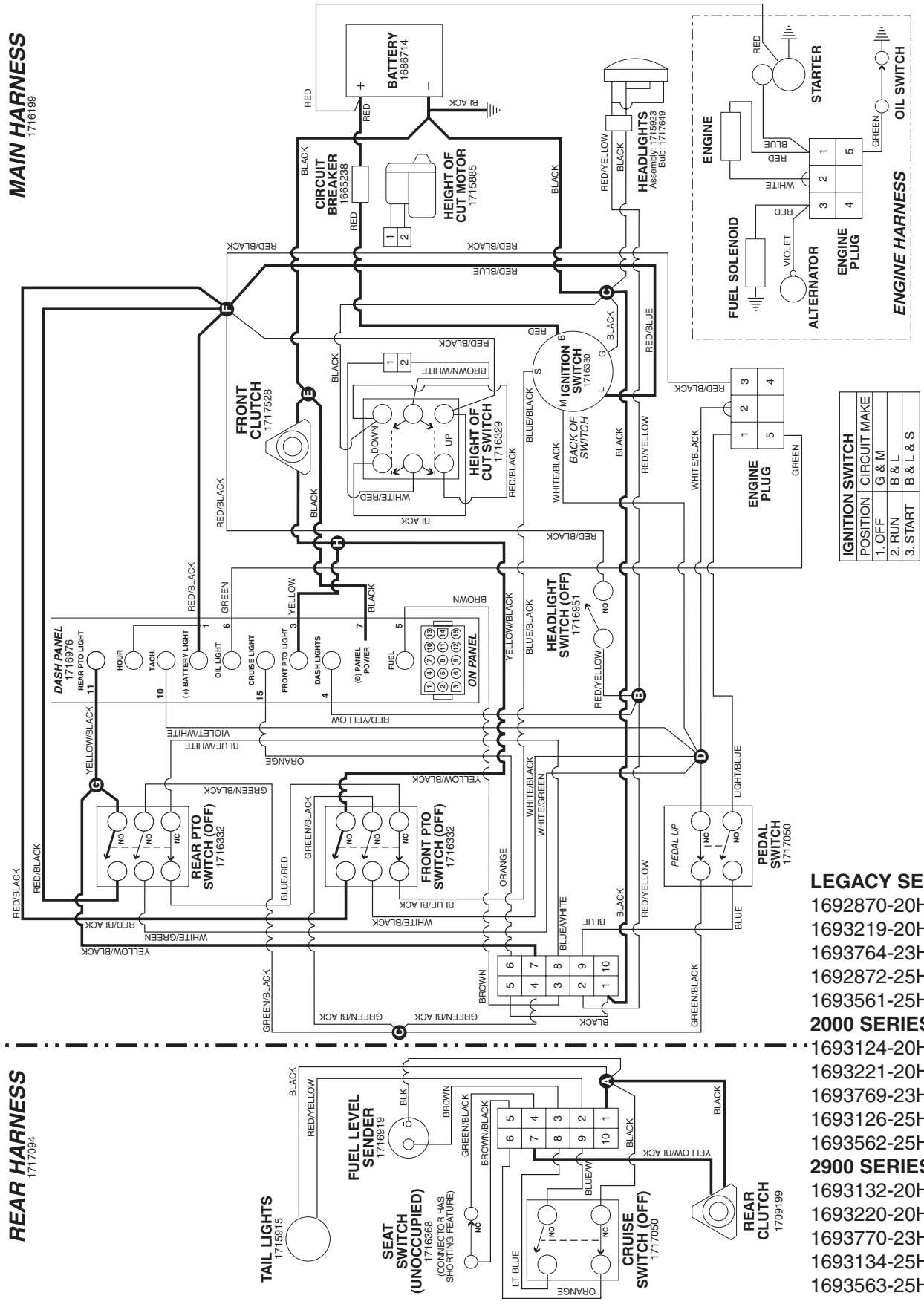
1693769-23HP
1693126-25HP
1693562-25HP FH

2900 SERIES
1693132-20HP
1693220-20HP
1693770-23HP
1693134-25HP
1693563-25HP FH

PTO CLUTCH CIRCUIT



LEGACY SERIES
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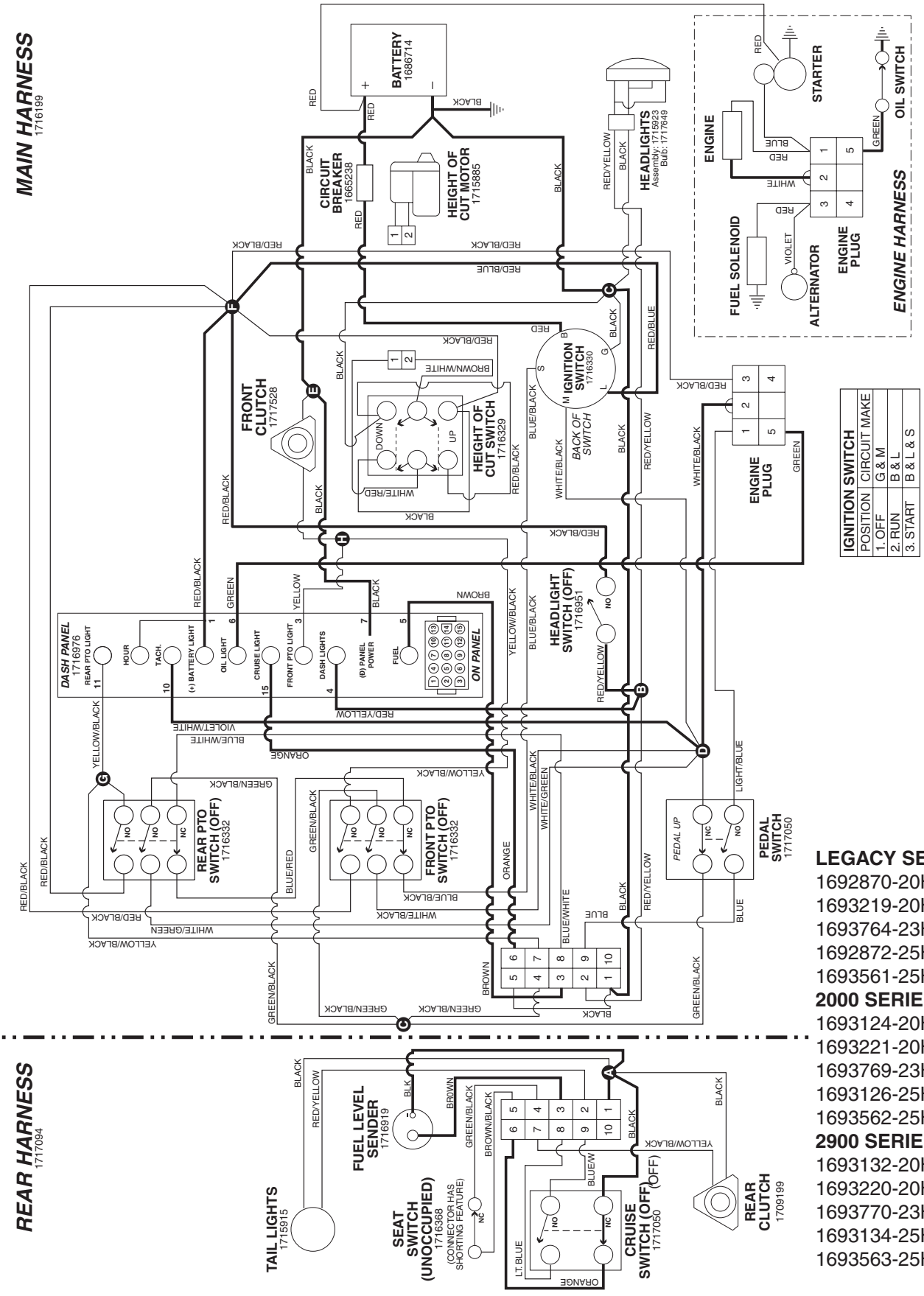
2000 SERIES
1693124-20HP
1693221-20HP
1693769-23HP
1693126-25HP
1693562-25HP FH

2900 SERIES
1693132-20HP
1693220-20HP
1693770-23HP
1693134-25HP
1693563-25HP FH

INSTRUMENT PANEL CIRCUIT



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1692872-25HP
1693561-25HP FH

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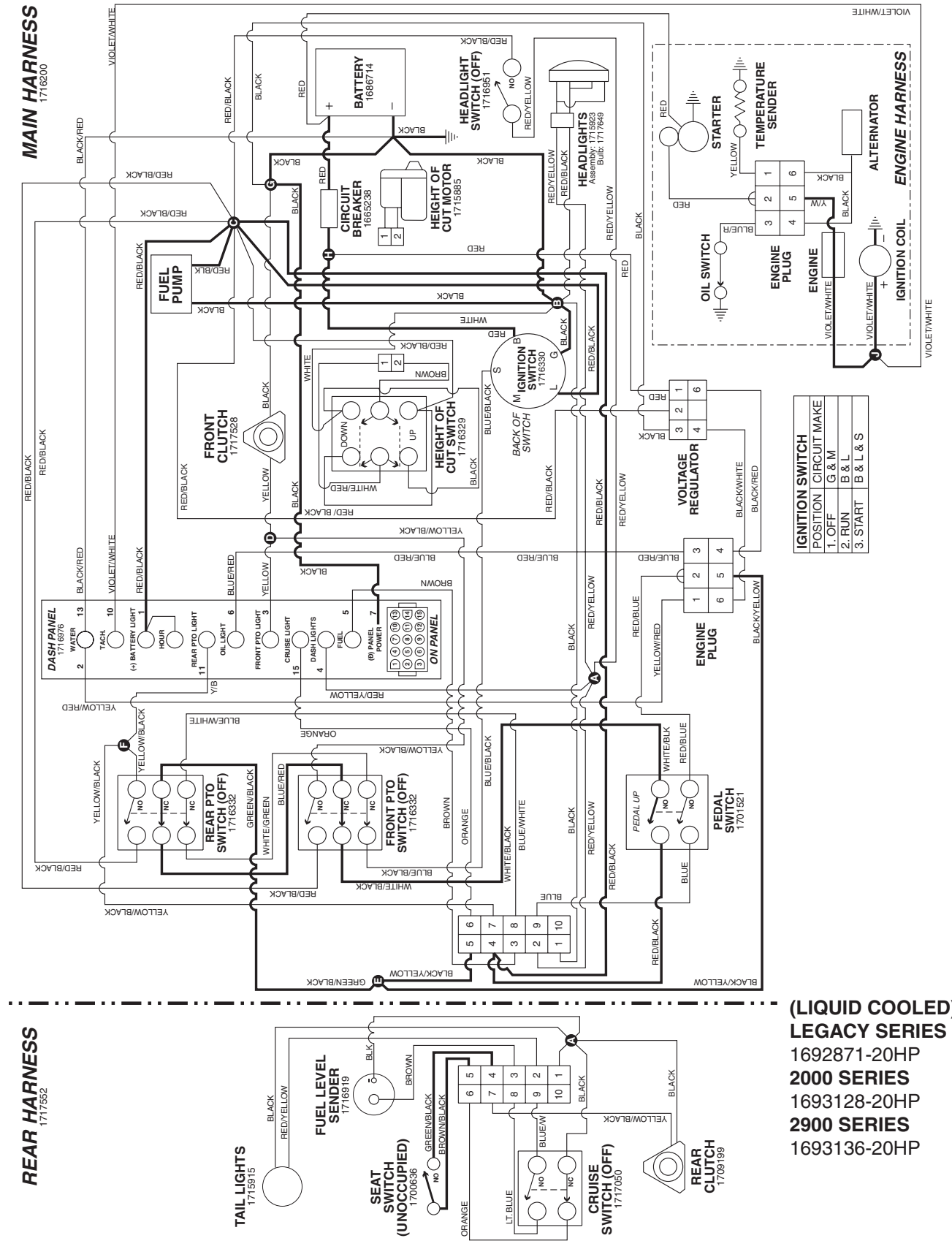
1693221-20HP
1693769-23HP
1693126-25HP
1693562-25HP FH

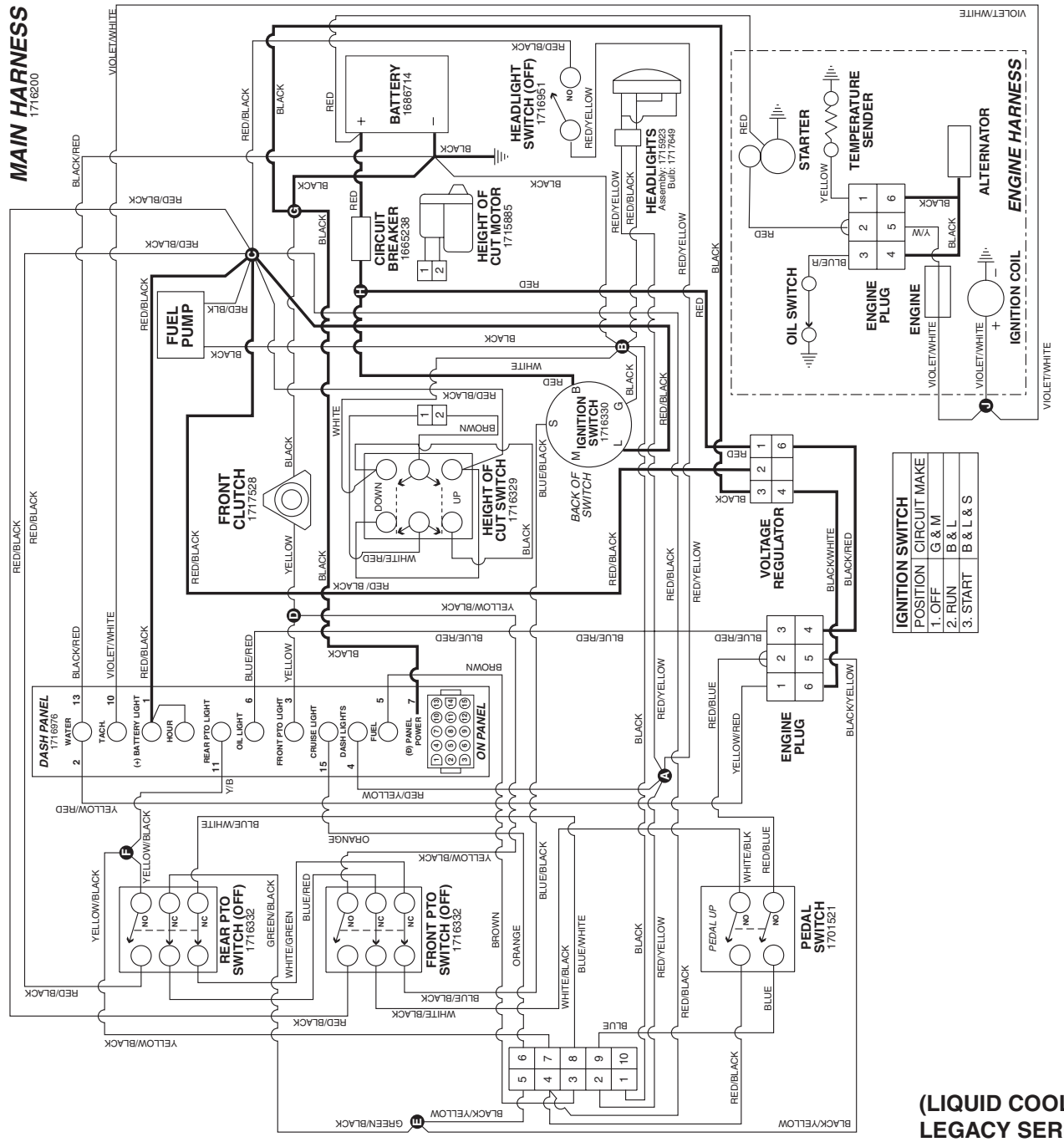
2900 SERIES
1693132-20HP
1693220-20HP
1693770-23HP
1693134-25HP
1693563-25HP FH

IGNITION CIRCUIT/SHUTDOWN CIRCUIT



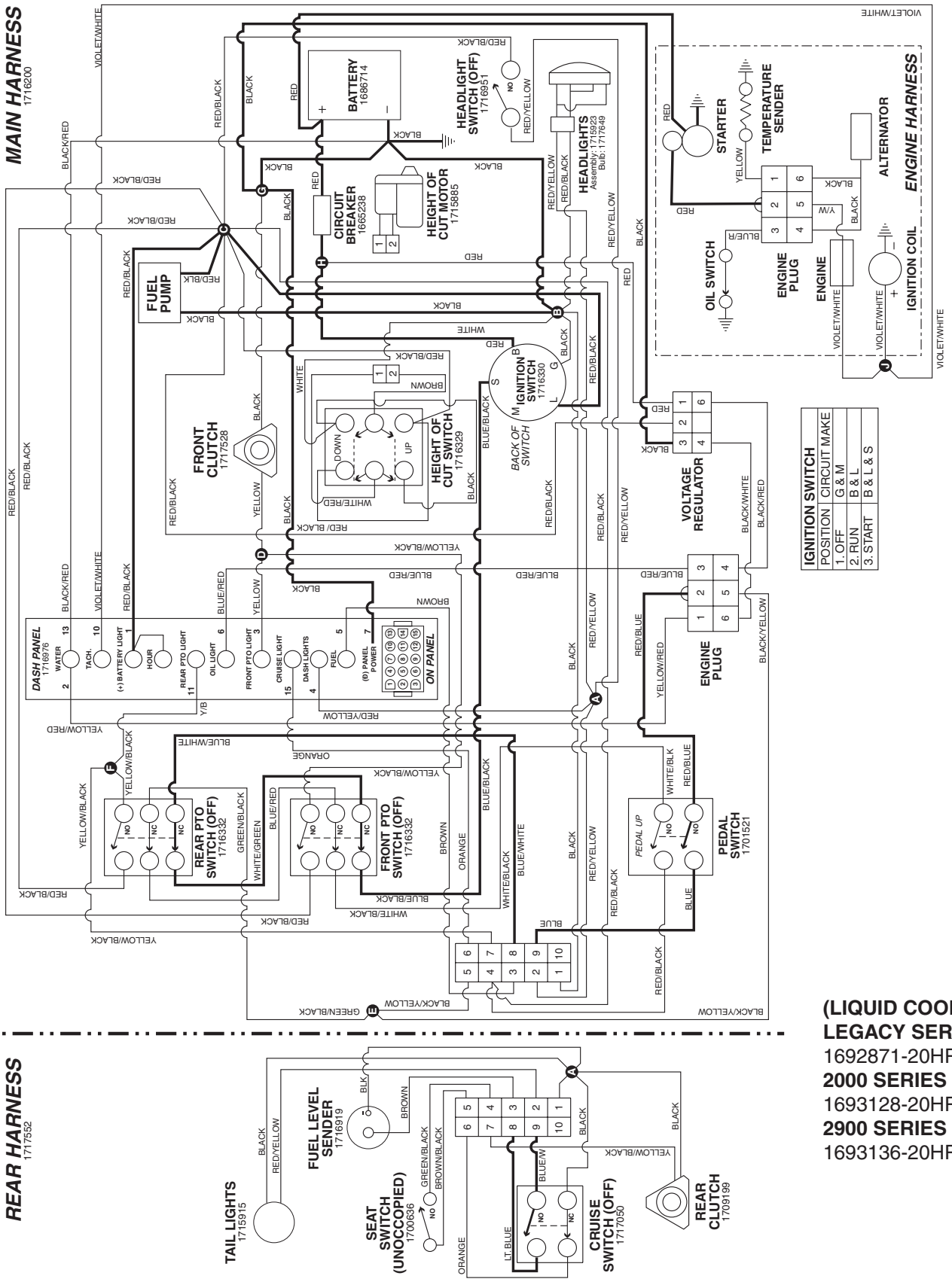
(LIQUID COOLED)
LEGACY SERIES
1692871-20HP
2000 SERIES
1693128-20HP
2900 SERIES
1693136-20HP

CHARGING CIRCUIT



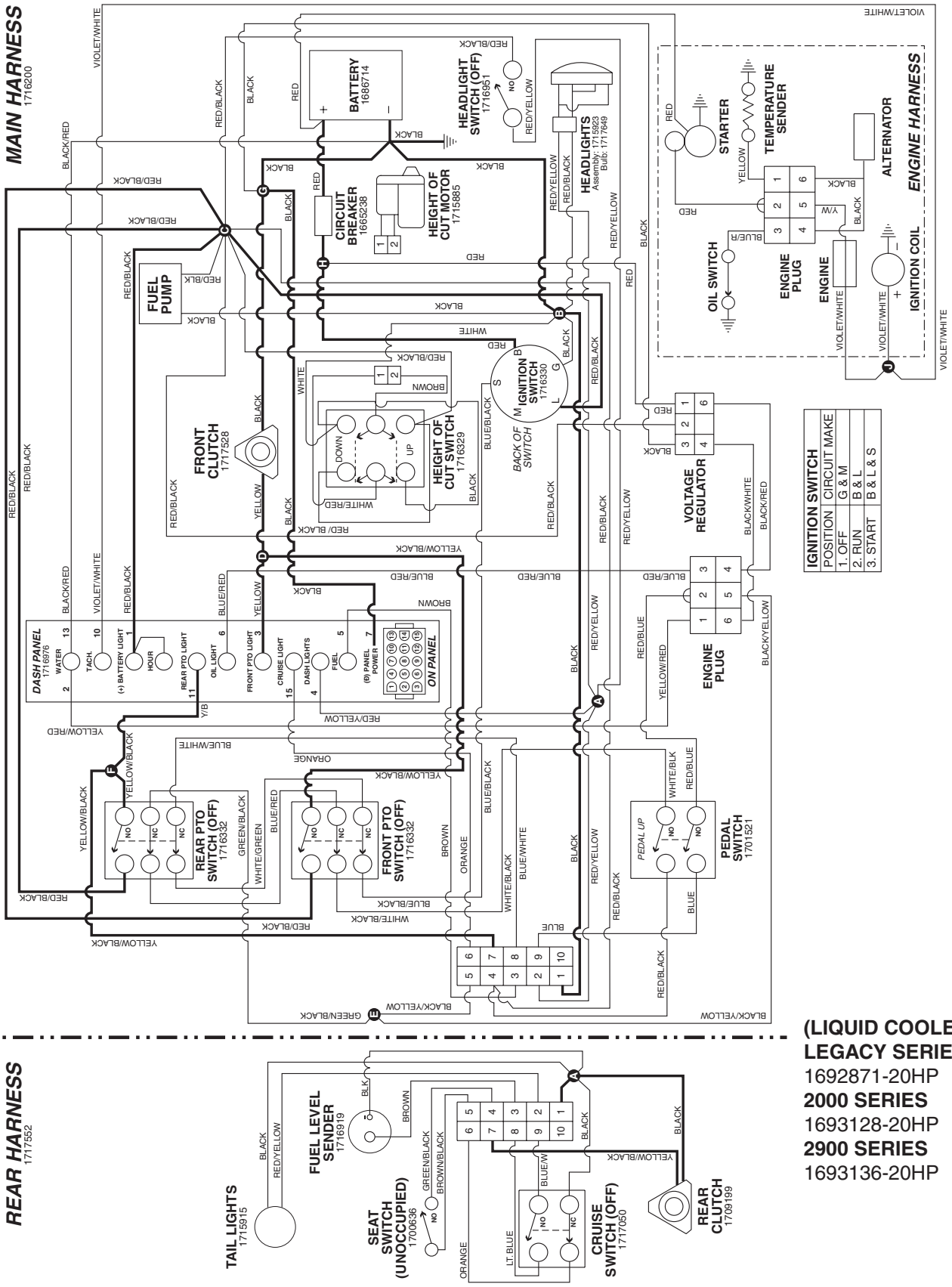
(LIQUID COOLED)
LEGACY SERIES
1692871-20HP
2000 SERIES
1693128-20HP
2900 SERIES
1693136-20HP

CRANKING CIRCUIT



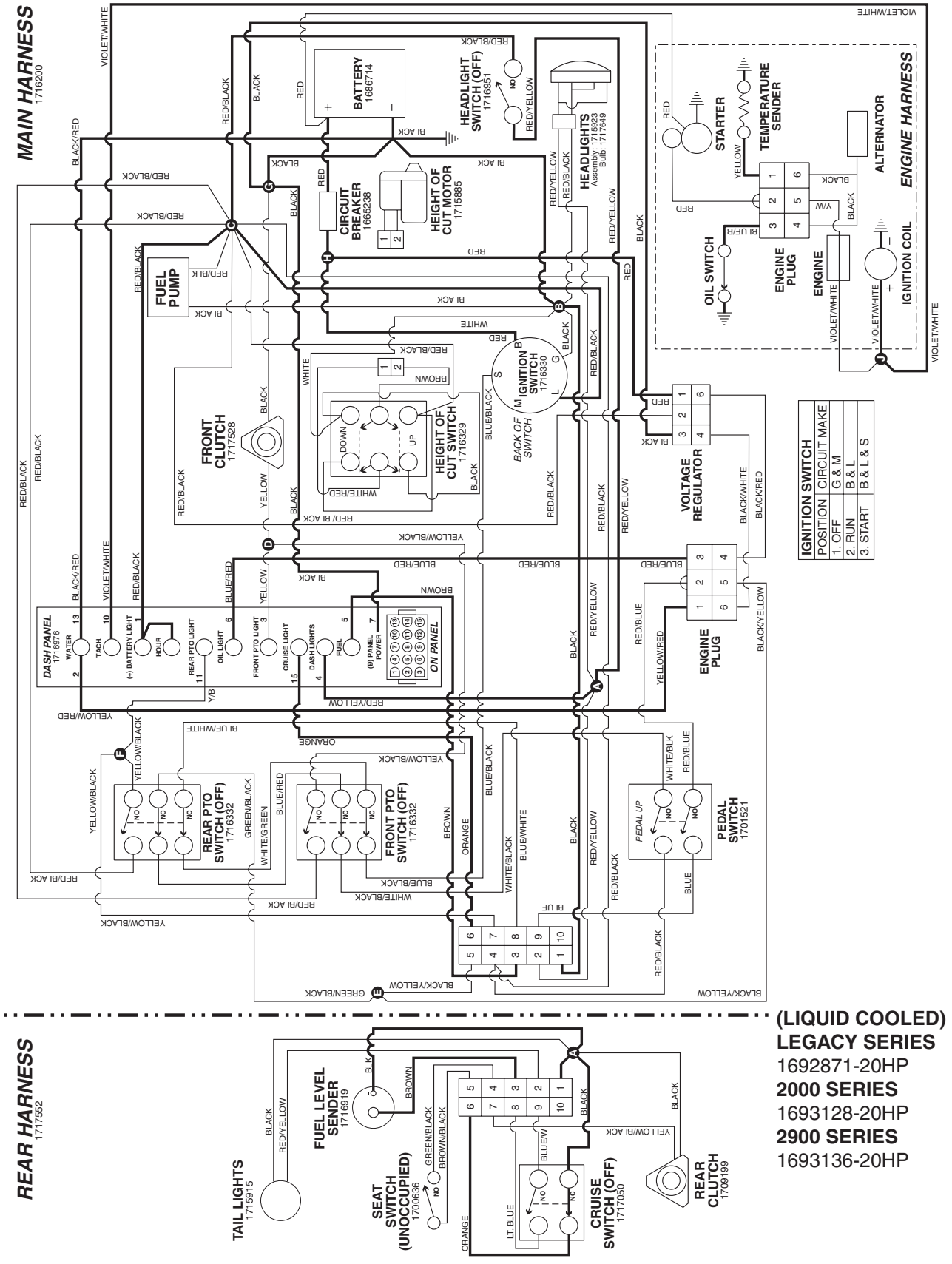
(LIQUID COOLED)
LEGACY SERIES
1692871-20HP
2000 SERIES
1693128-20HP
2900 SERIES
1693136-20HP

PTO CLUTCH CIRCUIT



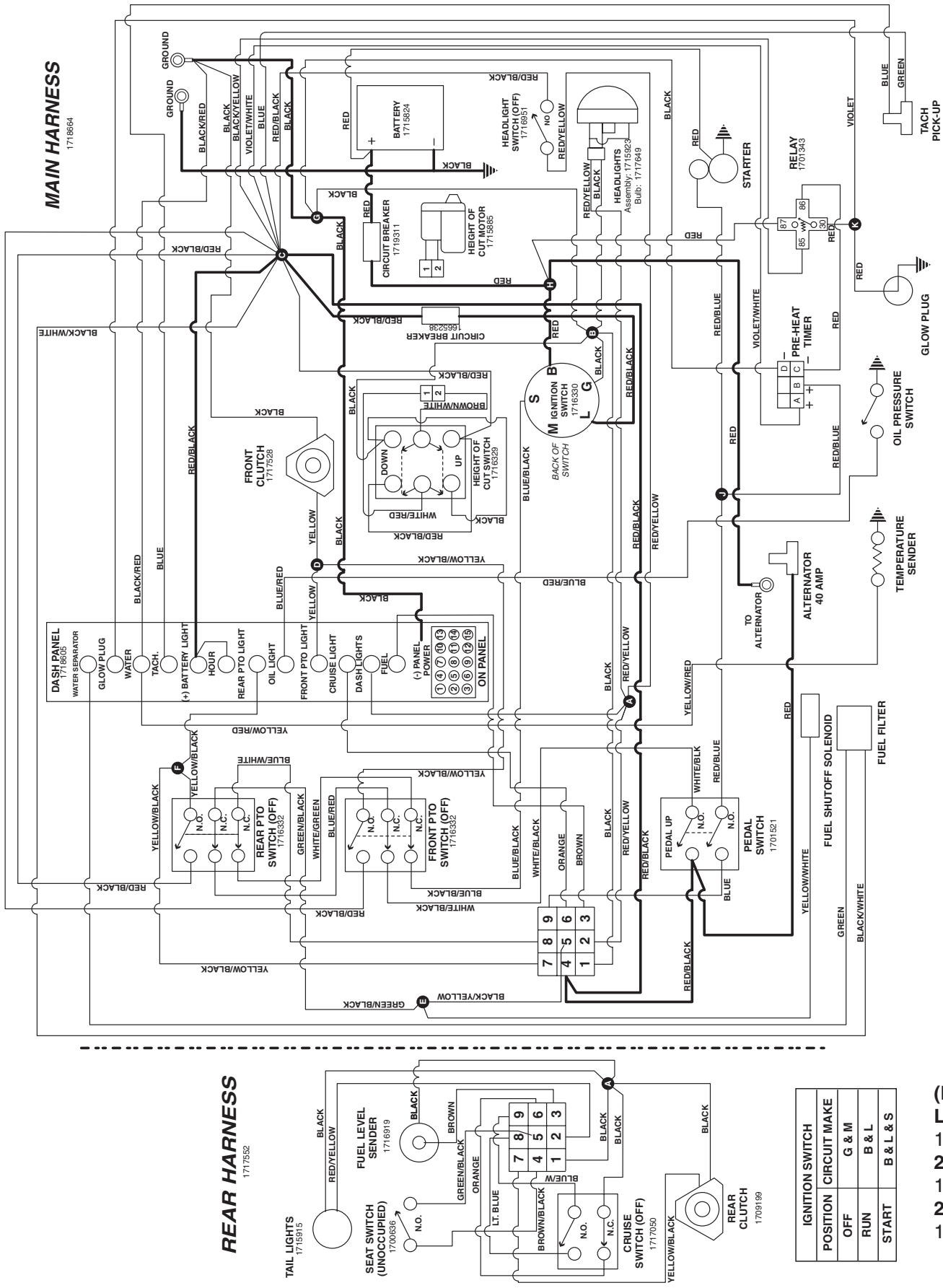
(LIQUID COOLED)
LEGACY SERIES
1692871-20HP
2000 SERIES
1693128-20HP
2900 SERIES
1693136-20HP

INSTRUMENT PANEL CIRCUIT



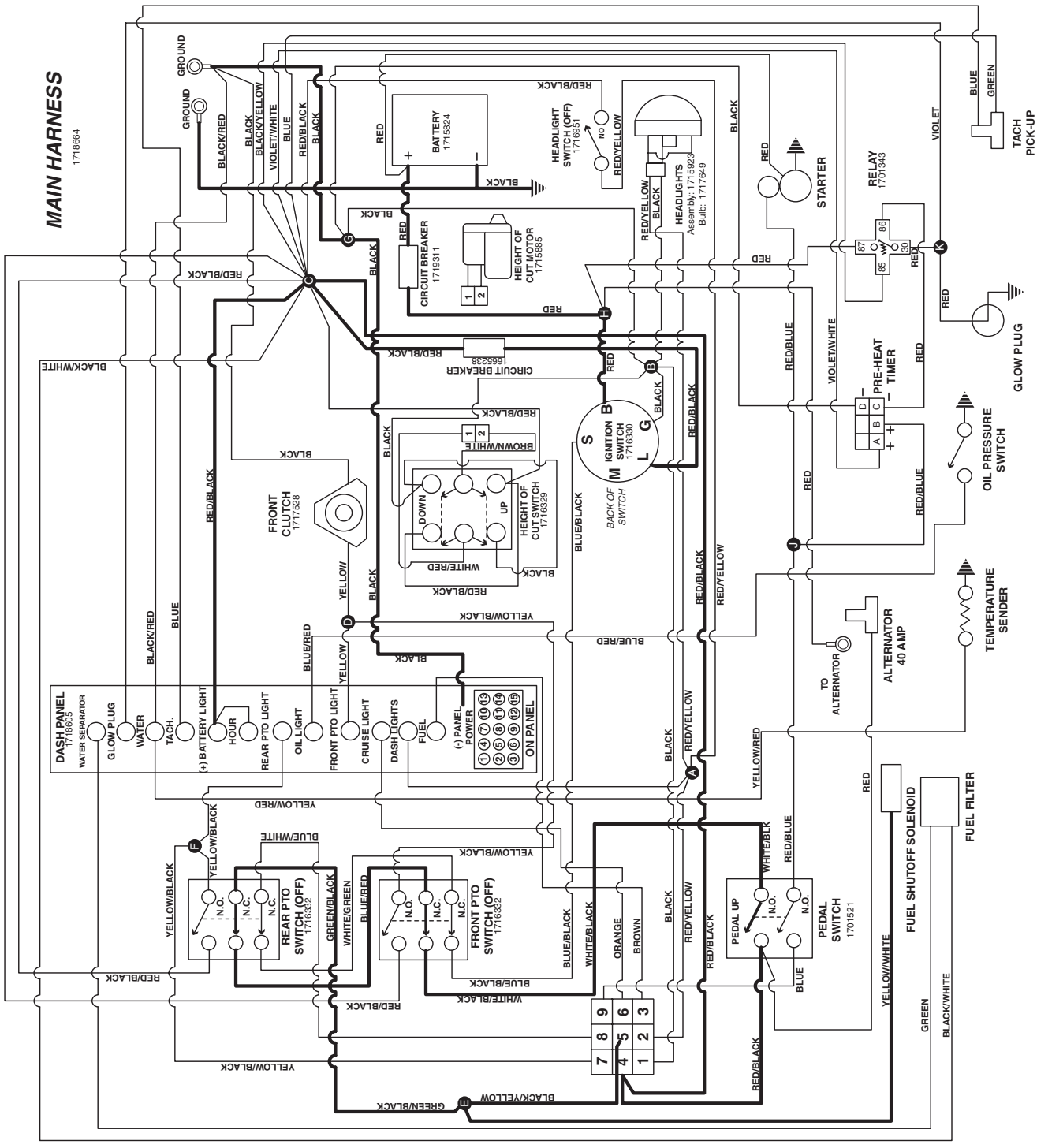
(LIQUID COOLED)
LEGACY SERIES
1692871-20HP
2000 SERIES
1693128-20HP
2900 SERIES
1693136-20HP

CHARGING CIRCUIT



(DIESEL)
LEGACY SERIES
1693112
2000 SERIES
1693130
2900 SERIES
1693138

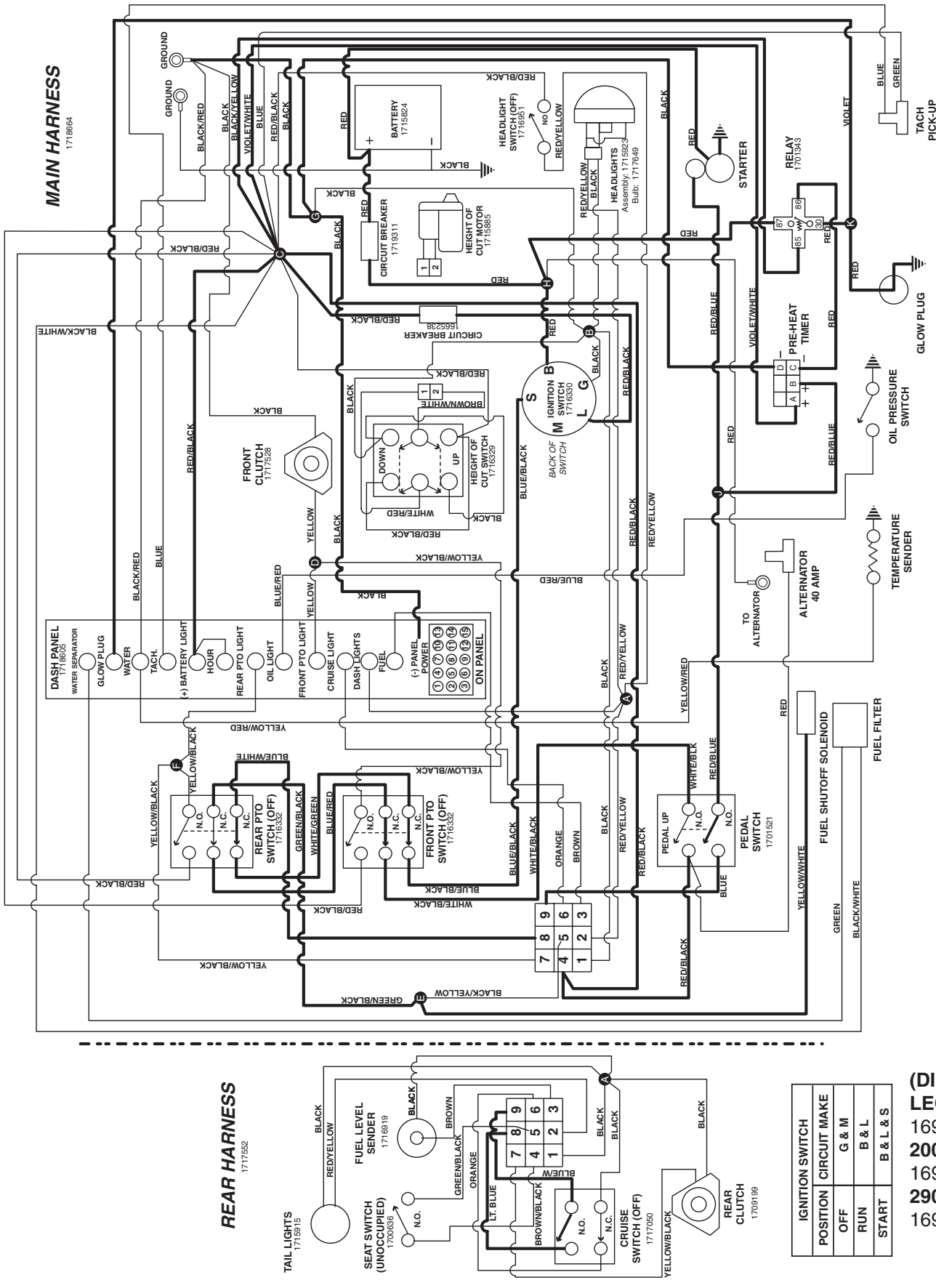
IGNITION/SHUTDOWN CIRCUIT



IGNITION SWITCH	CIRCUIT MAKE
POSITION	
OFF	G & M
RUN	B & L
START	B & L & S

(DIESEL)
LEGACY SERIES
1693112
2000 SERIES
1693130
2900 SERIES
1693138

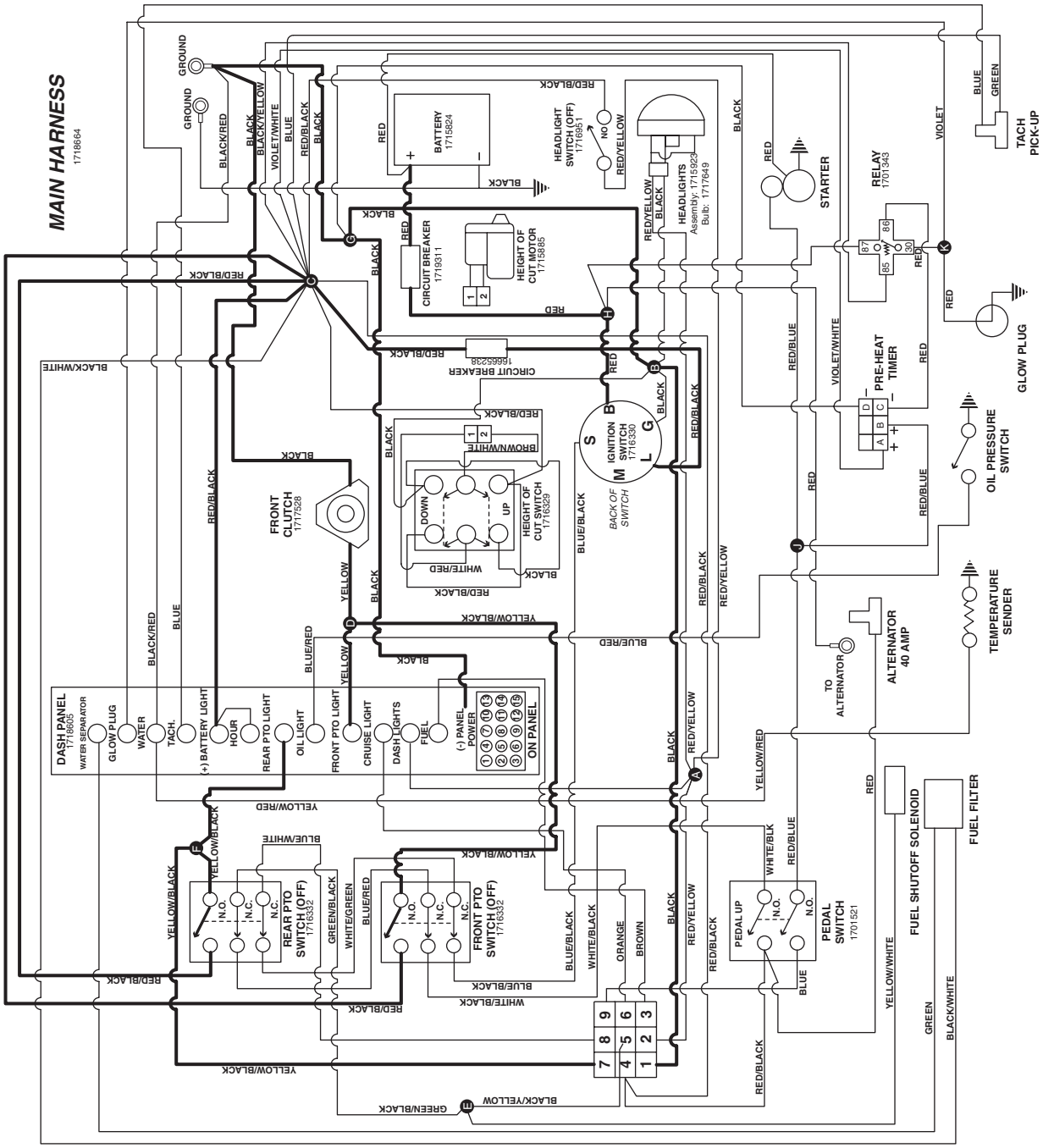
CRANKING CIRCUIT



IGNITION SWITCH	CIRCUIT MAKE
POSITION	G & M
OFF	B & L
RUN	B & L & S
START	

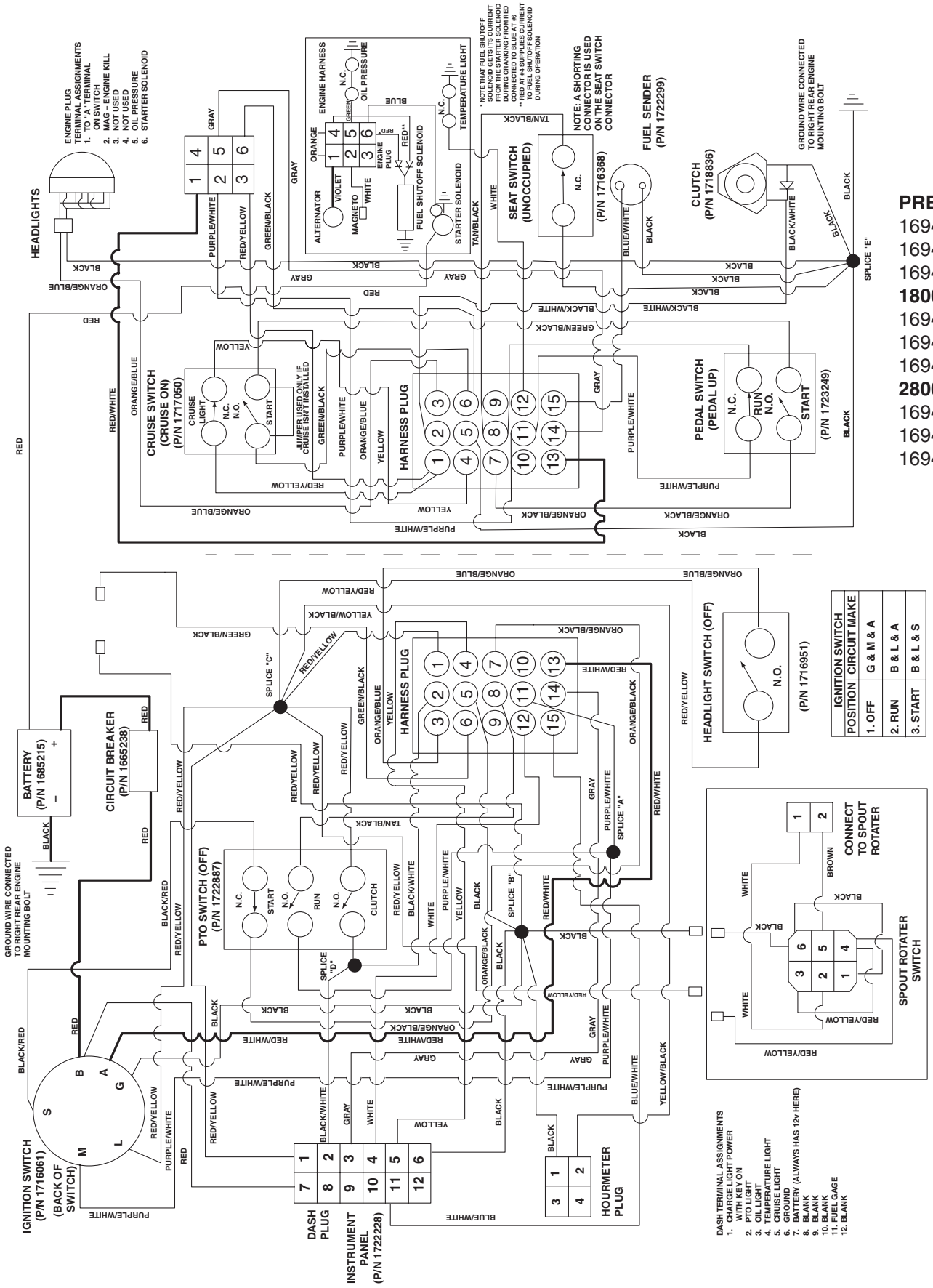
(DIESEL)
LEGACY SERIES
1693112
2000 SERIES
1693130
2900 SERIES
1693138

CLUTCH CIRCUIT



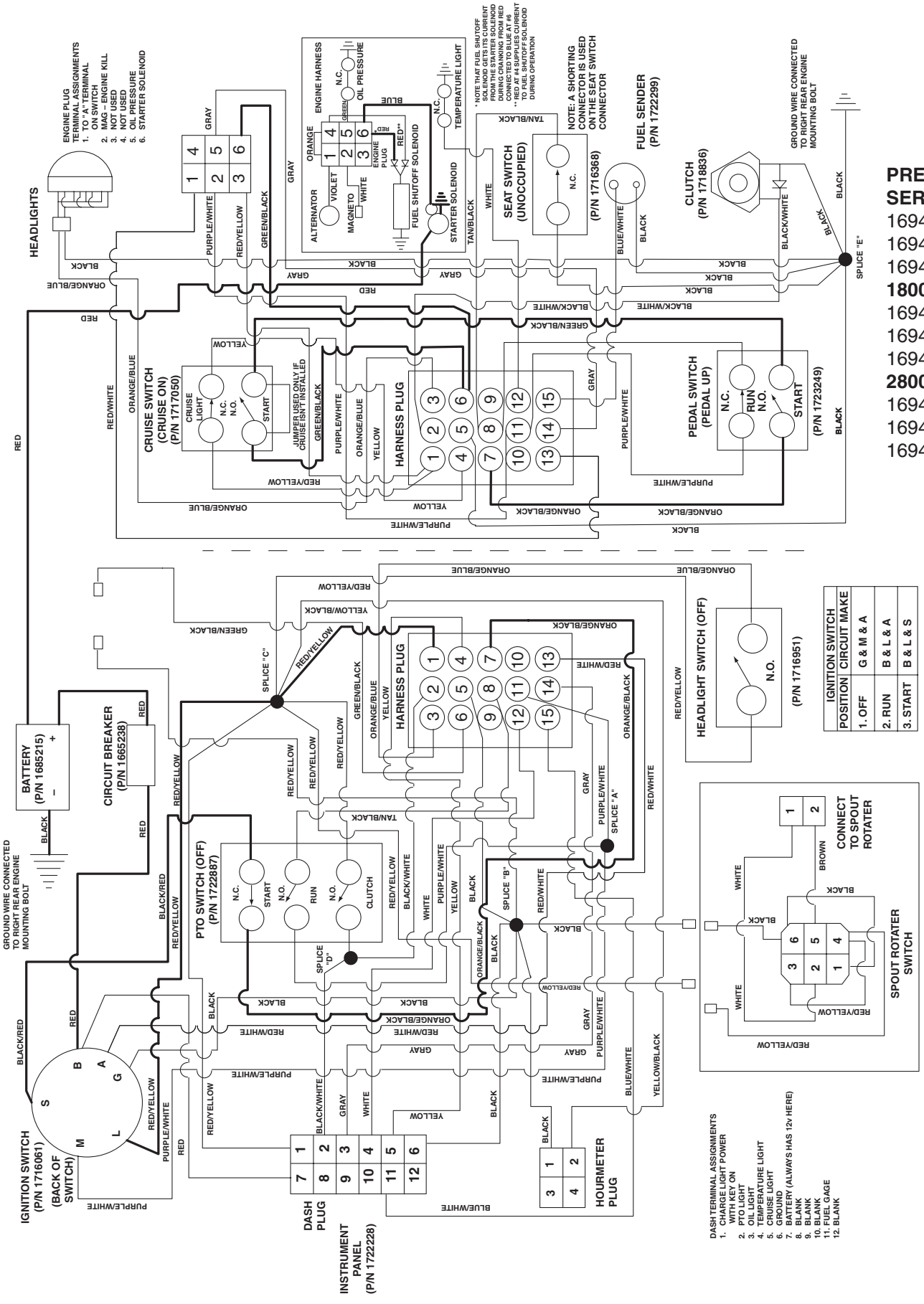
(DIESEL)
LEGACY SERIES
1693112
2000 SERIES
1693130
2900 SERIES
1693138

CHARGING CIRCUIT

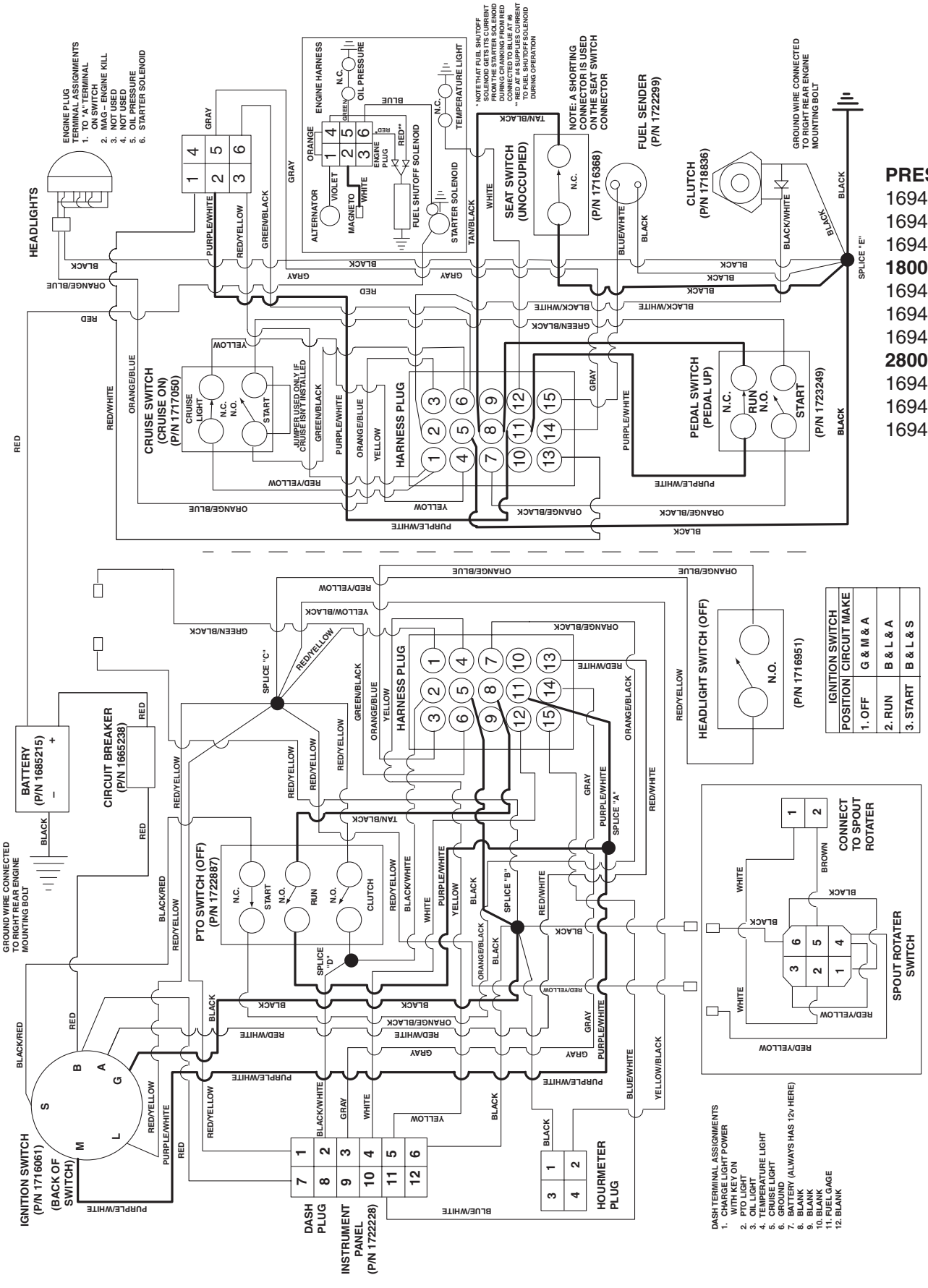


PRESTIGE SERIES
1694015
1694016
1694017
1800 SERIES
1694024
1694025
1694026
2800 SERIES
1694033
1694034
1694035

CRANKING CIRCUIT

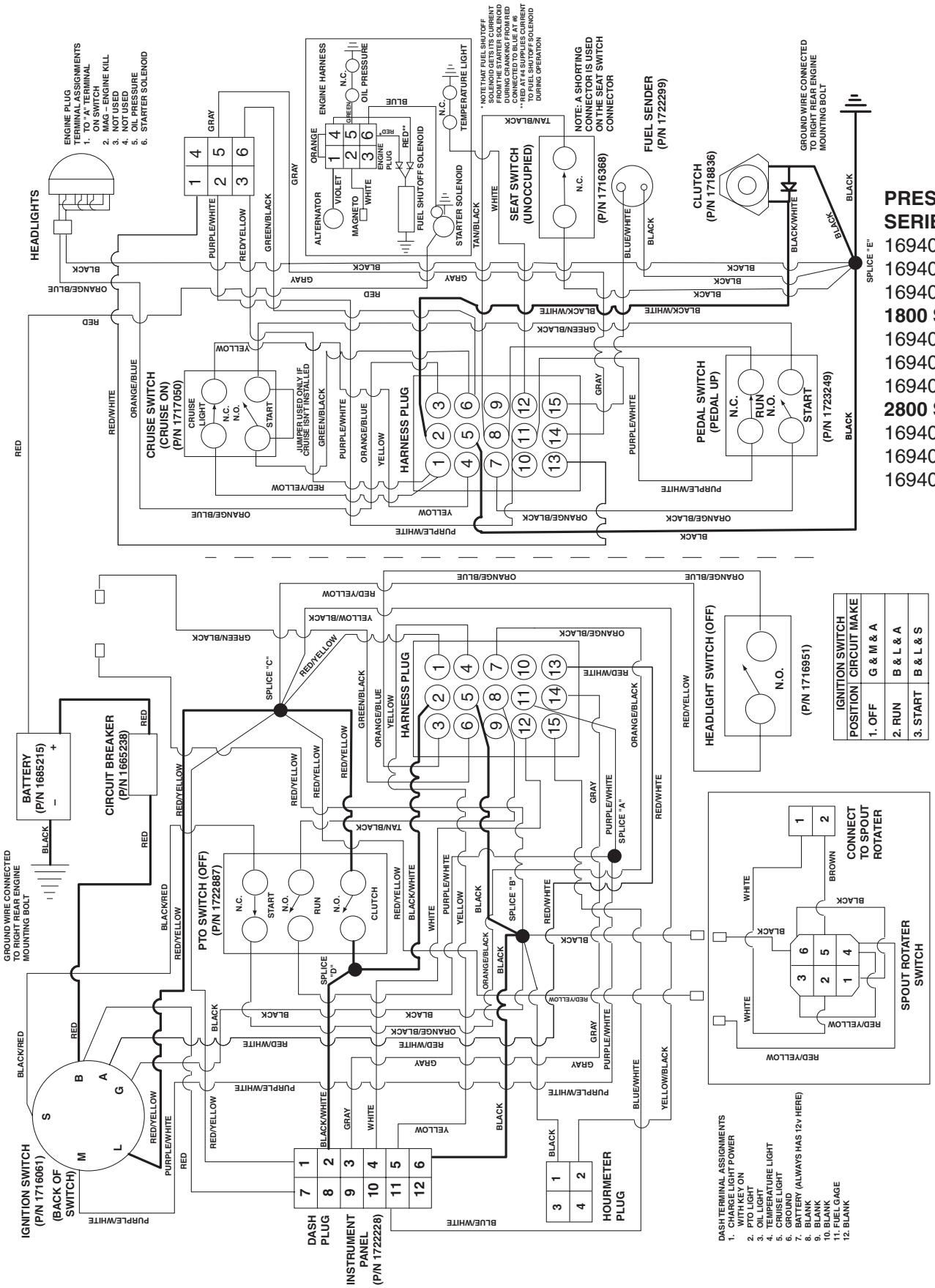


IGNITION/SHUTDOWN CIRCUIT



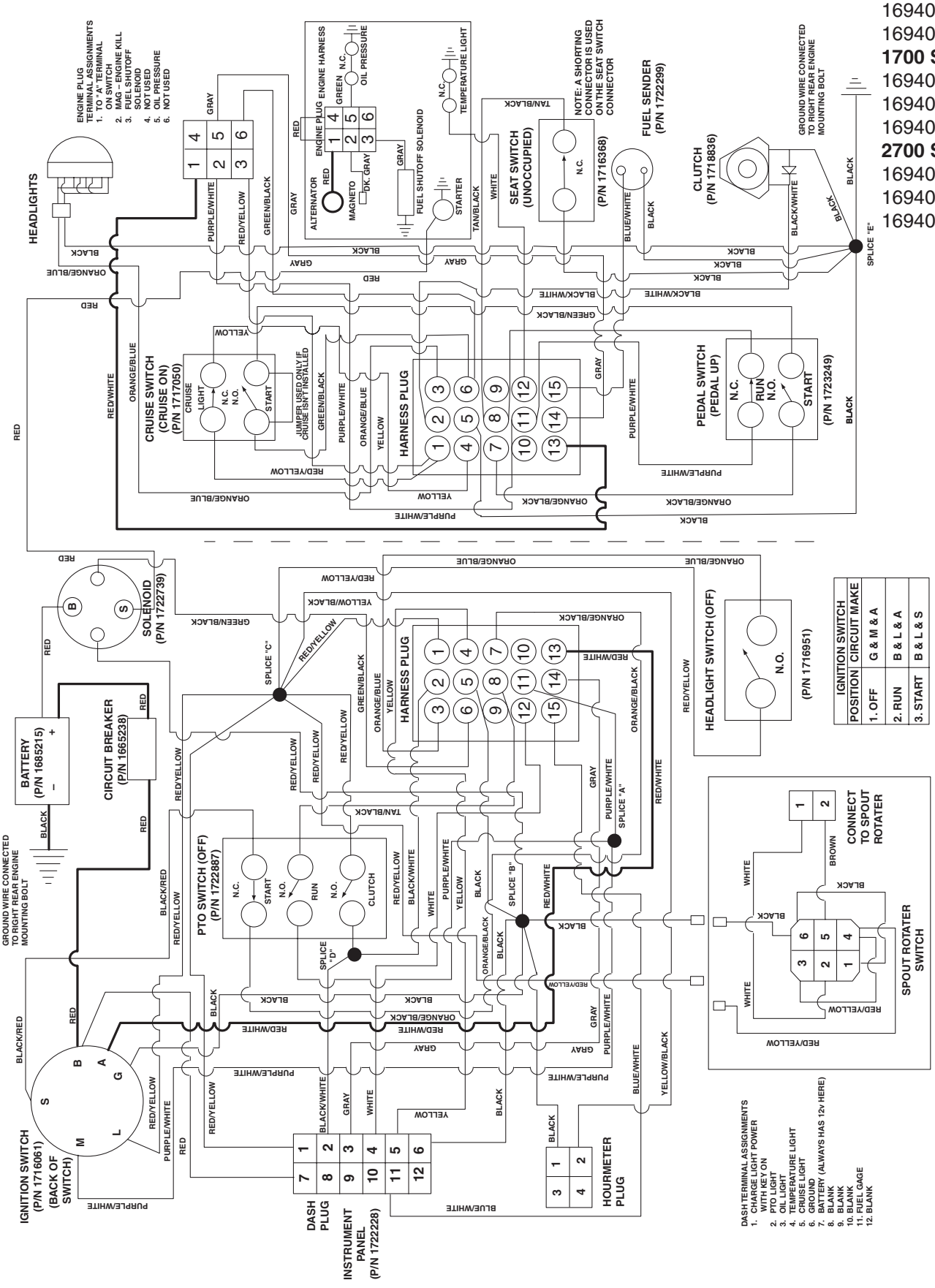
PRESTIGE SERIES
1694015
1694016
1694017
1800 SERIES
1694024
1694025
1694026
2800 SERIES
1694033
1694034
1694035

PTO CLUTCH CIRCUIT



CHARGING CIRCUIT

CONQUEST SERIES
1694011
1694013
1694014
1700 SERIES
1694020
1694022
1694023
2700 SERIES
1694029
1694031
1694032



CRANKING CIRCUIT

CONQUEST SERIES
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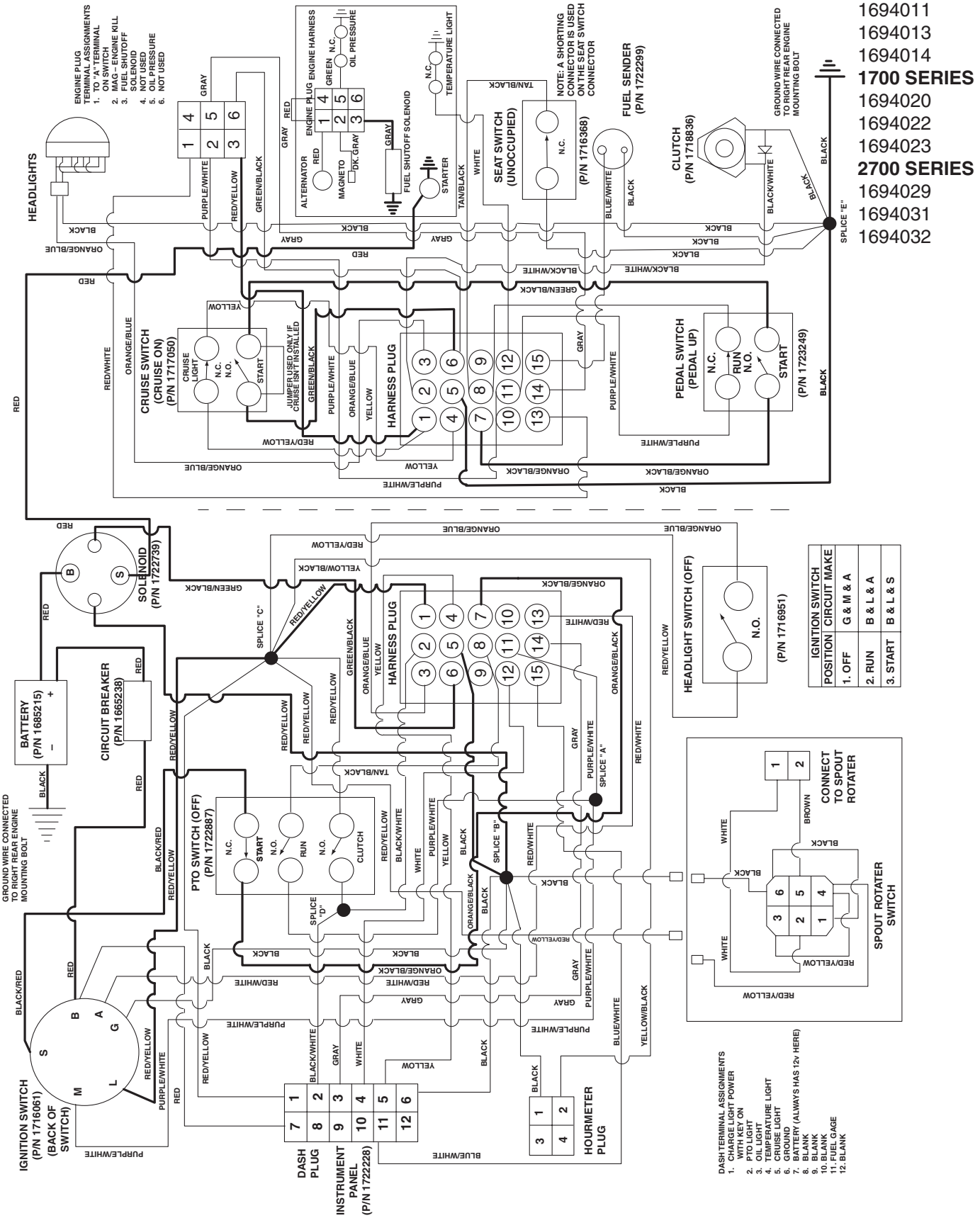
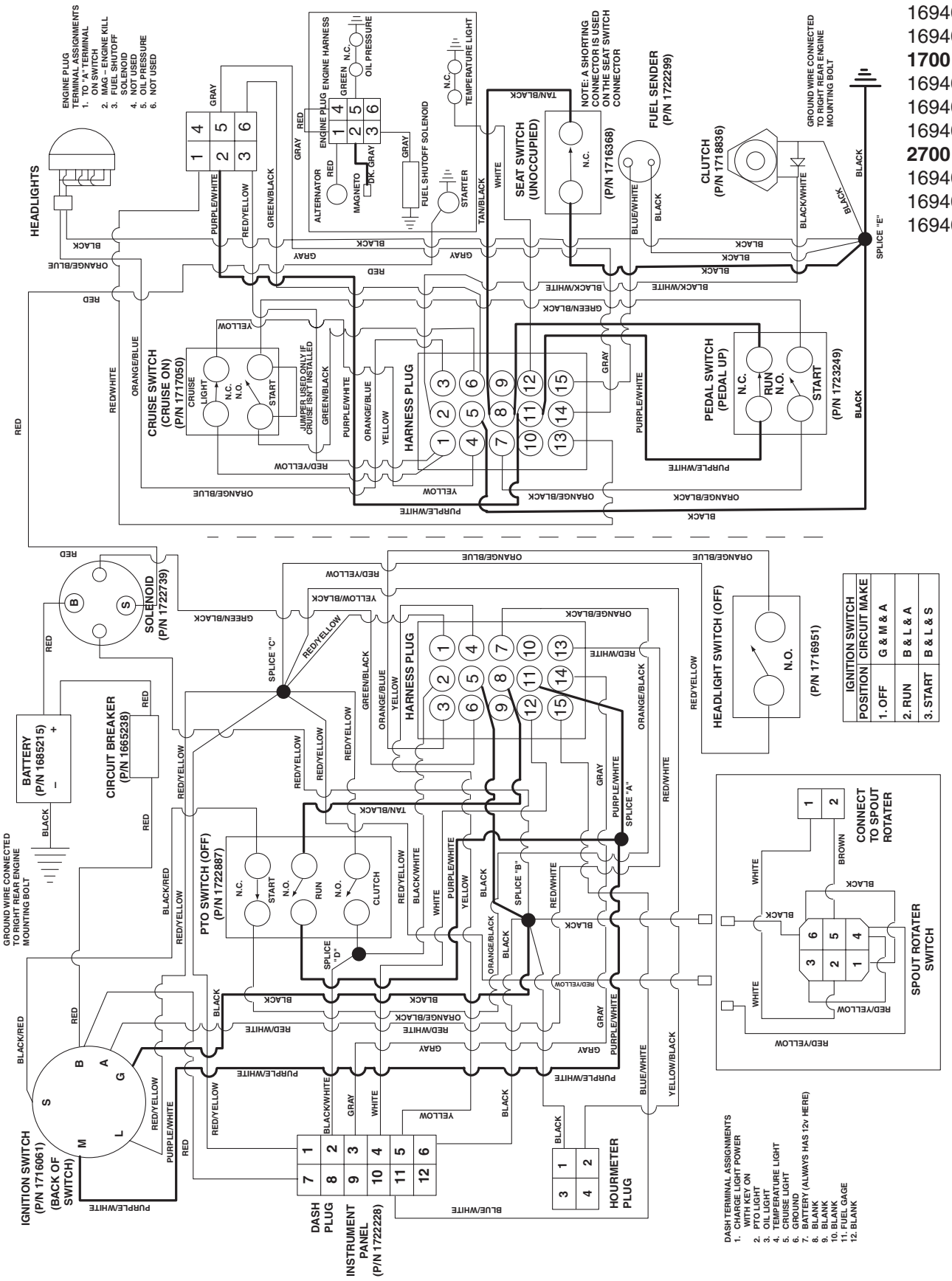
1694014
1700 SERIES
1694020
1694022
1694023
2700 SERIES
1694029
1694031
1694032



IGNITION/SHUTDOWN CIRCUIT

CONQUEST SERIES
1694011
1694013
1694014
1700 SERIES
1694020
1694022
1694023
2700 SERIES
1694029
1694031
1694032



PTO CLUTCH CIRCUIT

CONQUEST SERIES
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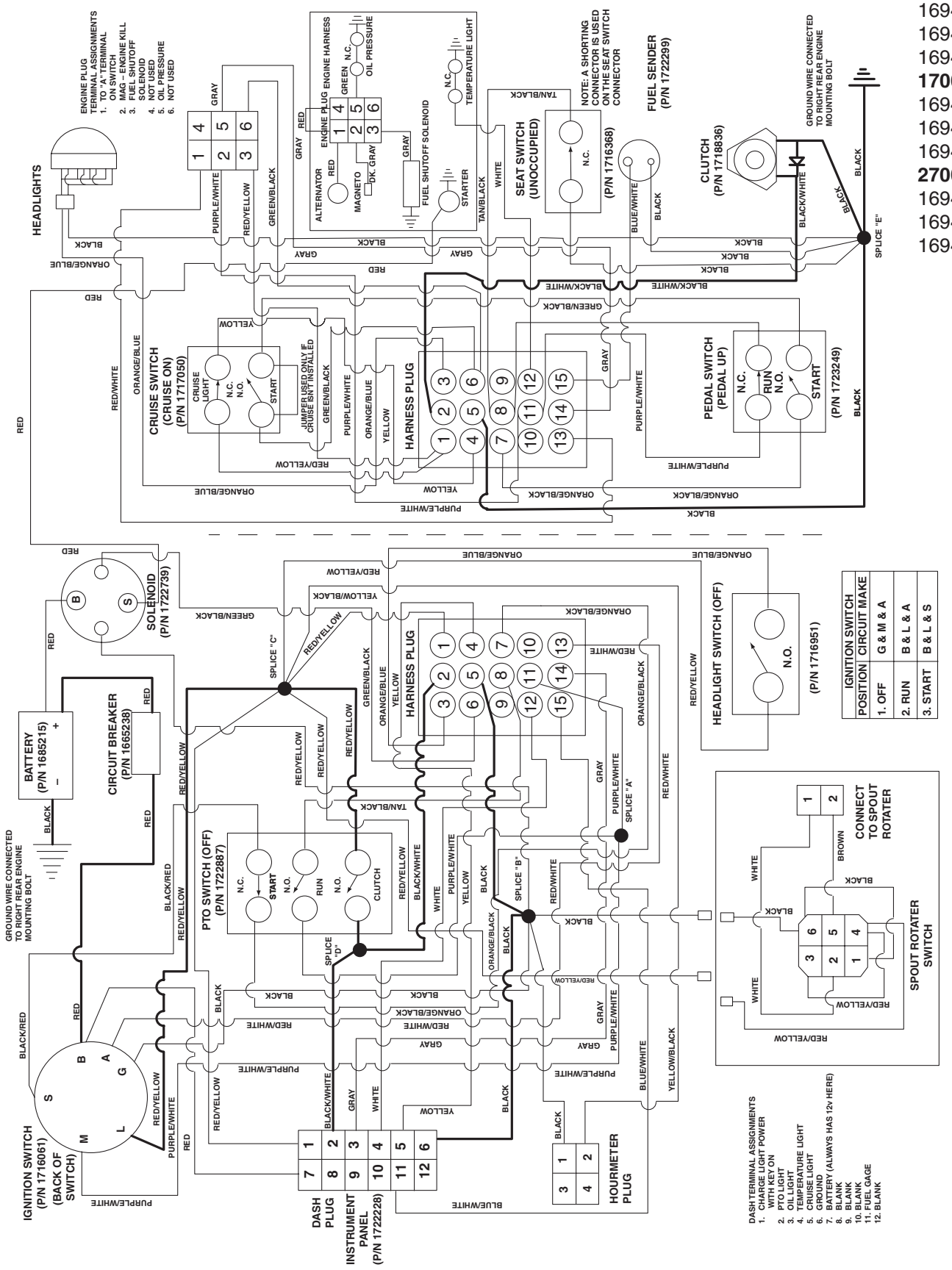
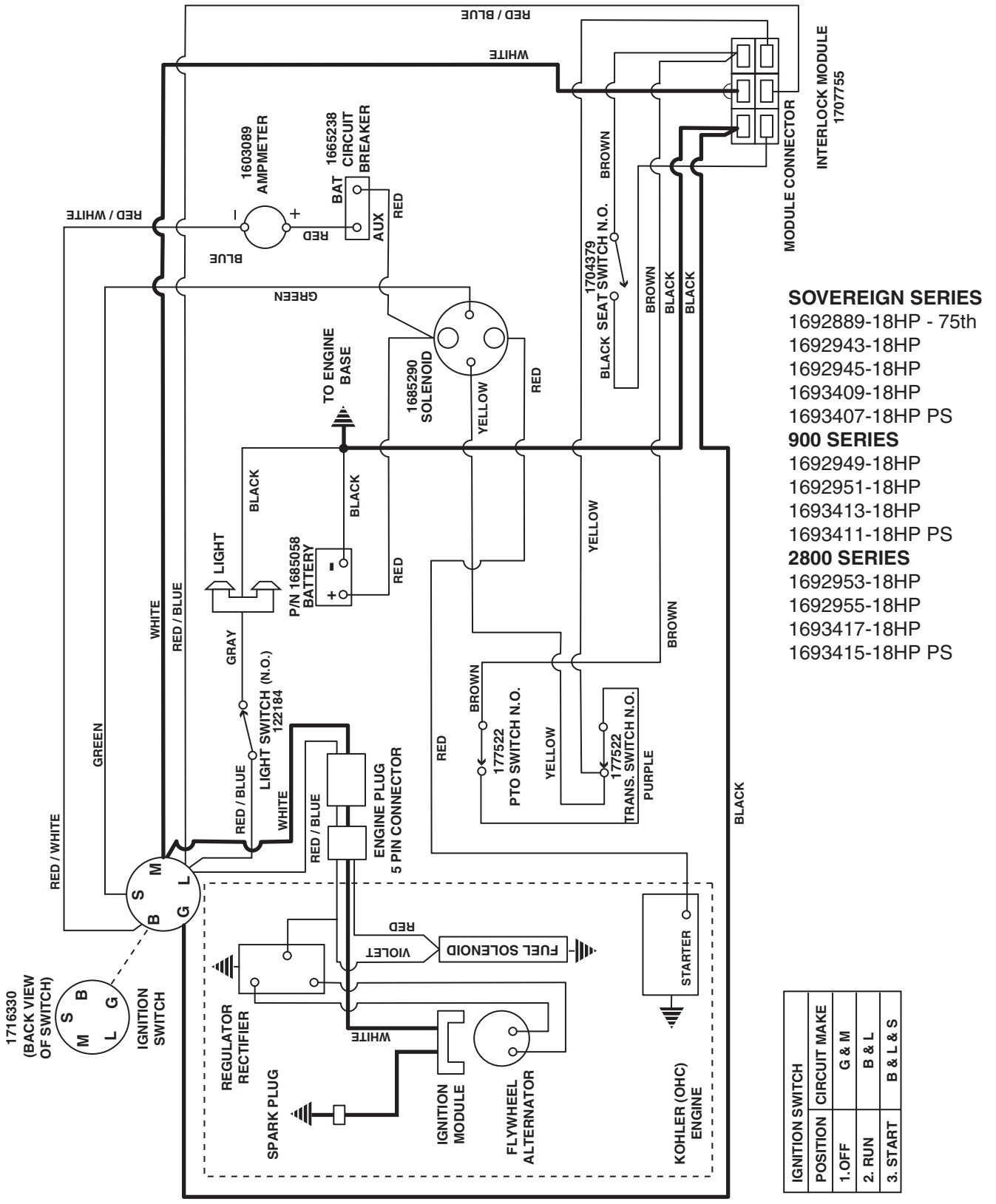
1694032



IGNITION CIRCUIT/SHUTDOWN CIRCUIT



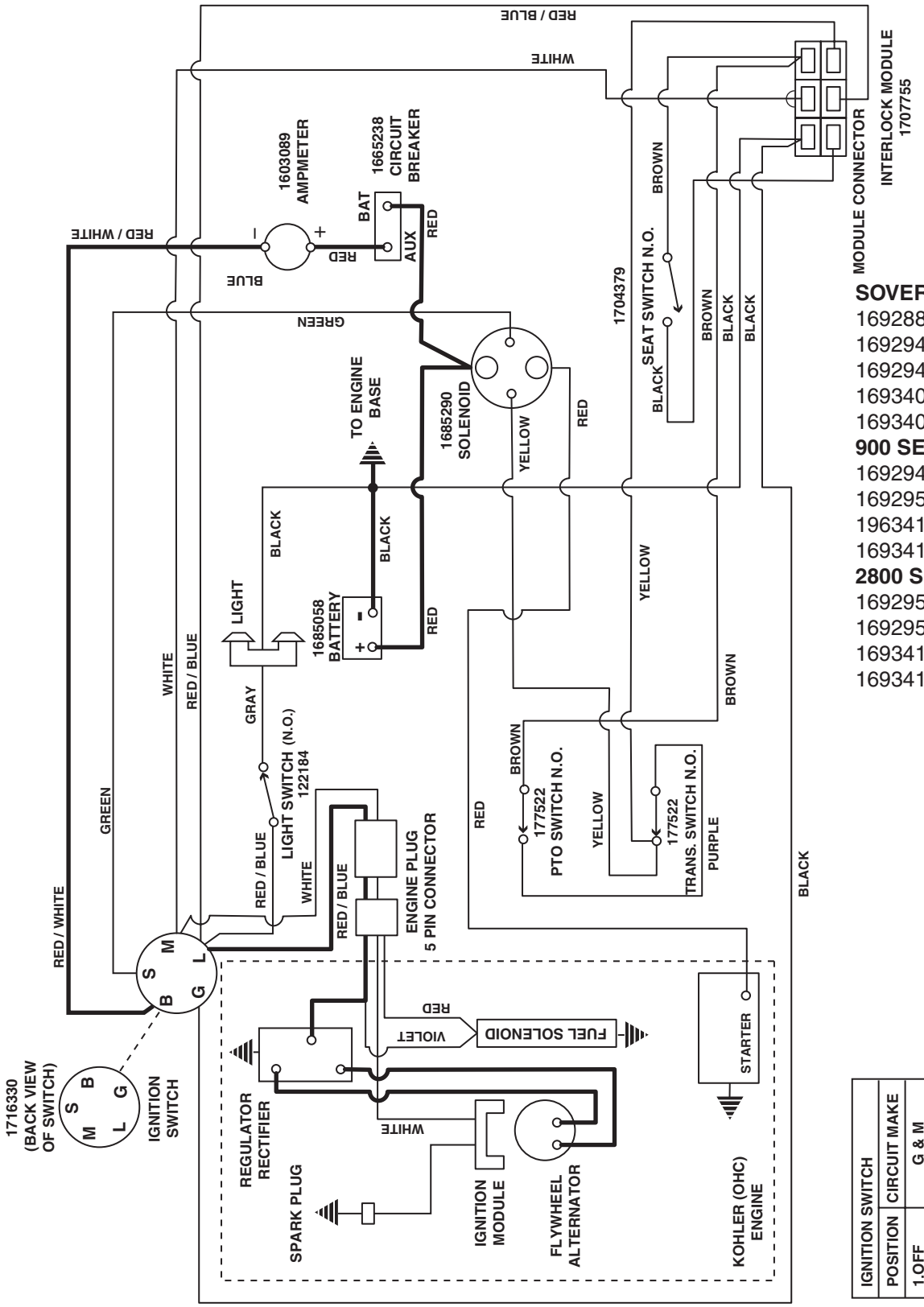
SOVEREIGN SERIES
1692889-18HP - 75th
1692943-18HP
1692945-18HP
1693409-18HP
1693407-18HP PS

900 SERIES
1692949-18HP
1692951-18HP
1693413-18HP
1693411-18HP PS

2800 SERIES
1692953-18HP
1692955-18HP
1693417-18HP
1693415-18HP PS

IGNITION SWITCH	
POSITION	CIRCUIT MAKE
1.OFF	G & M
2. RUN	B & L
3. START	B & L & S

CHARGING CIRCUIT



SOVEREIGN SERIES
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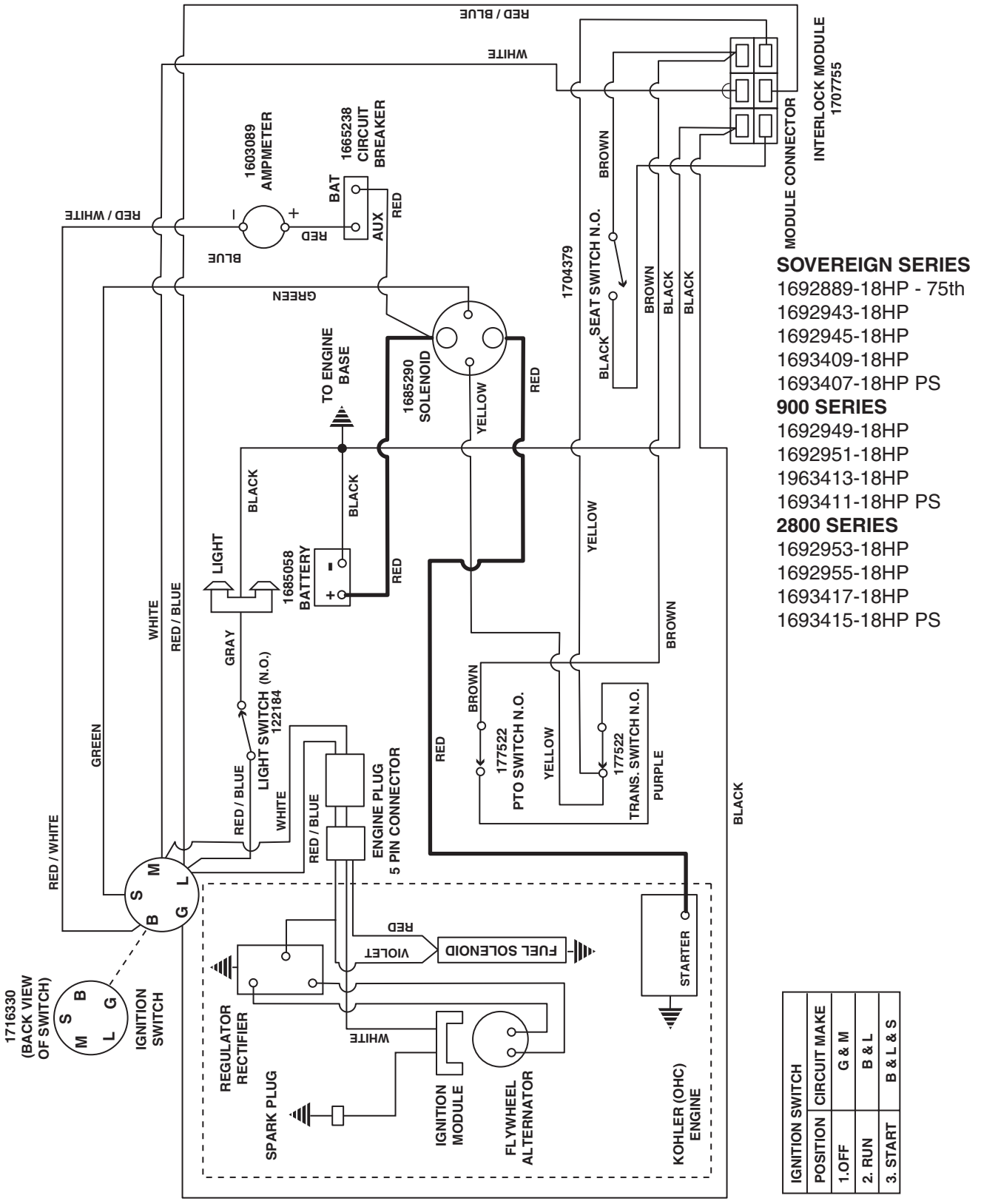
1692943-18HP
1692945-18HP
1693409-18HP
1693407-18HP PS

900 SERIES
1692949-18HP
1692951-18HP
1963413-18HP
1693411-18HP PS

2800 SERIES
1692953-18HP
1692955-18HP
1693417-18HP
1693415-18HP PS

IGNITION SWITCH	
POSITION	CIRCUIT MAKE
1.OFF	G & M
2. RUN	B & L
3. START	B & L & S

CRANKING CIRCUIT



SOVEREIGN SERIES
1692889-18HP - 75th
1692943-18HP
1692945-18HP
1693409-18HP
1693407-18HP PS

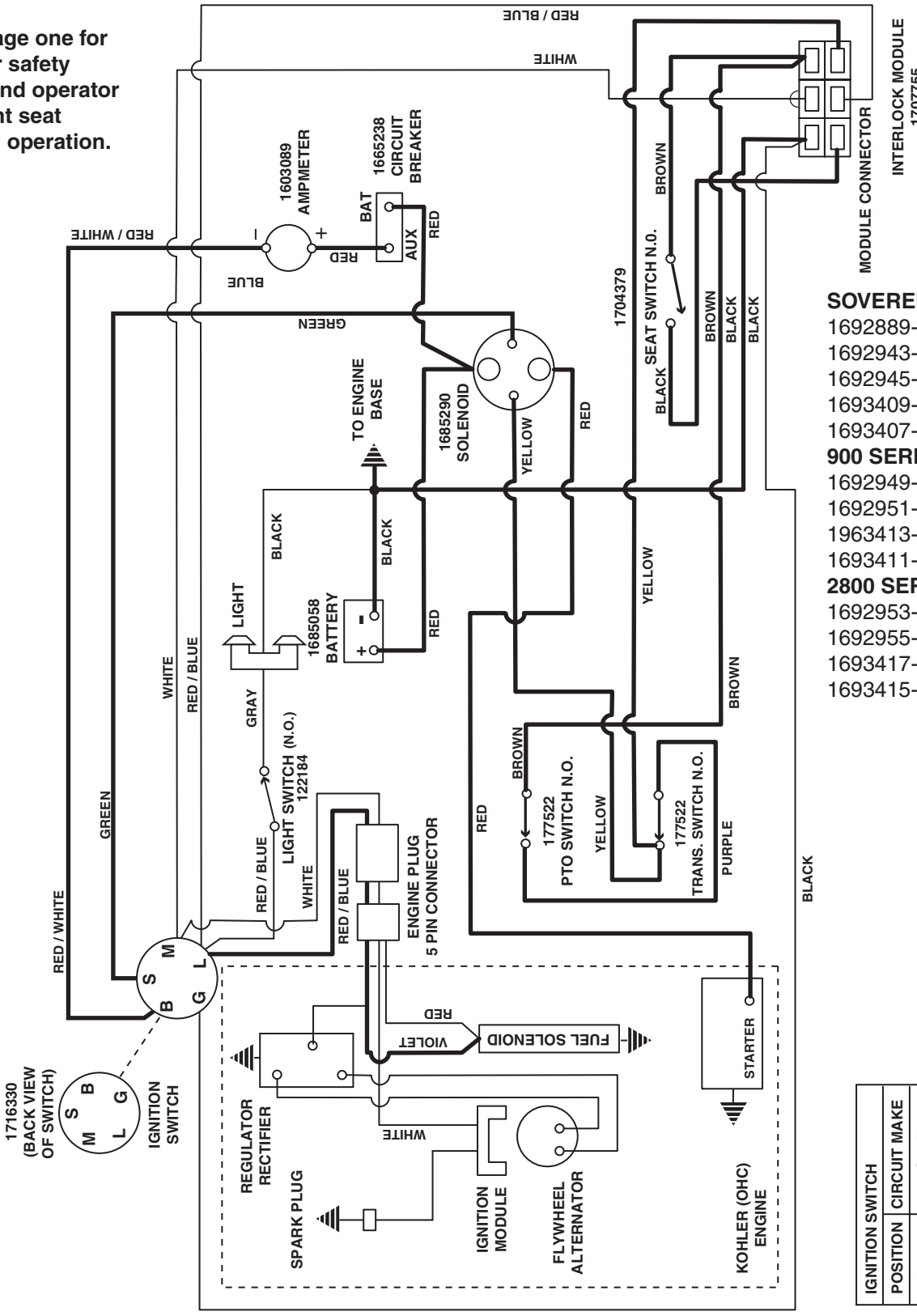
900 SERIES
1692949-18HP
1692951-18HP
1963413-18HP
1693411-18HP PS

2800 SERIES
1692953-18HP
1692955-18HP
1693417-18HP
1693415-18HP PS

IGNITION SWITCH	
POSITION	CIRCUIT MAKE
1.OFF	G & M
2. RUN	B & L
3. START	B & L & S

SAFETY START & OPERATOR PRESENT CIRCUIT

See page one for proper safety start and operator present seat switch operation.



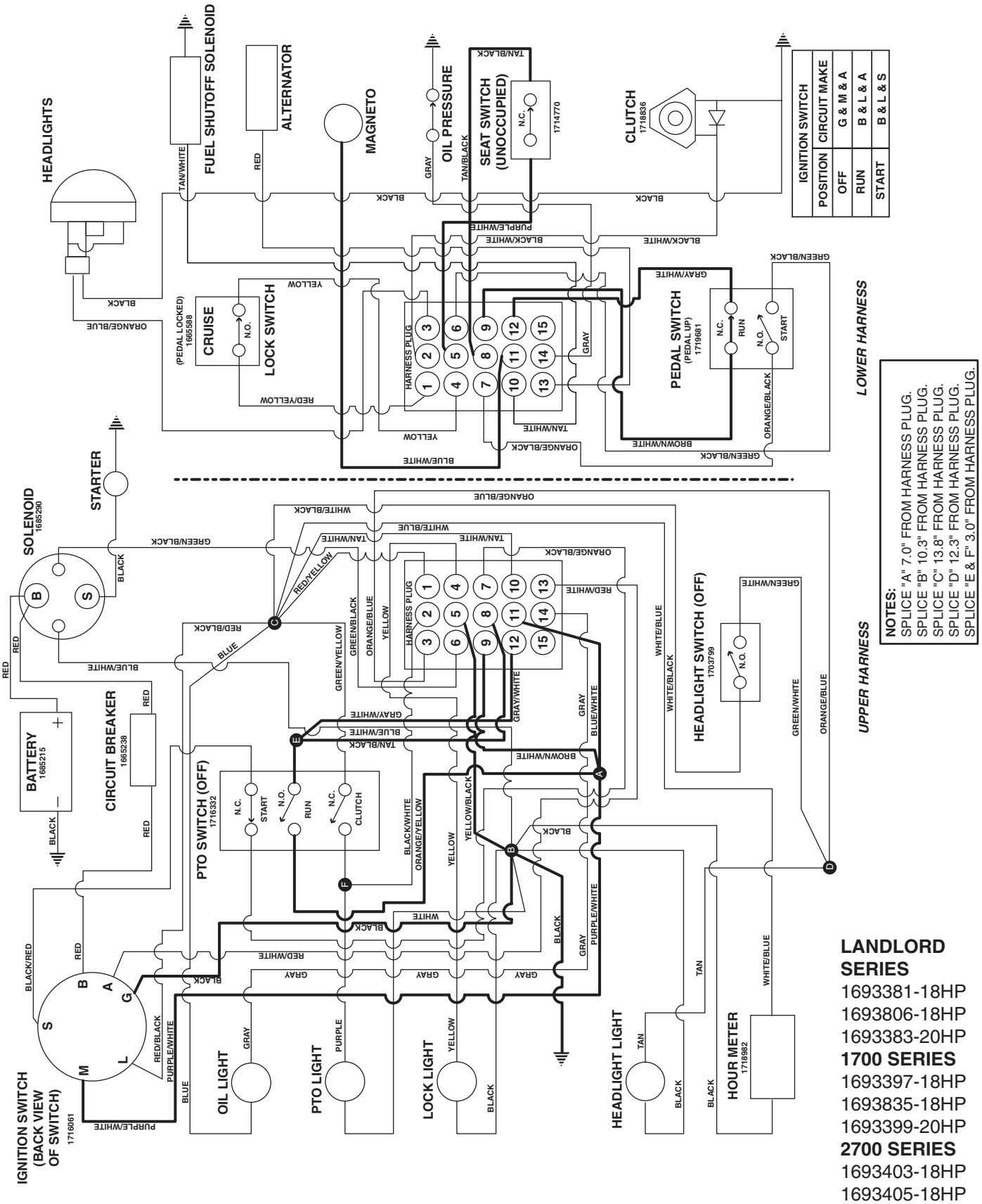
SOVEREIGN SERIES
1692889-18HP - 75th
1692943-18HP
1692945-18HP
1693409-18HP
1693407-18HP PS

900 SERIES
1692949-18HP
1692951-18HP
1963413-18HP
1693411-18HP PS

2800 SERIES
1692953-18HP
1692955-18HP
1693417-18HP
1693415-18HP PS

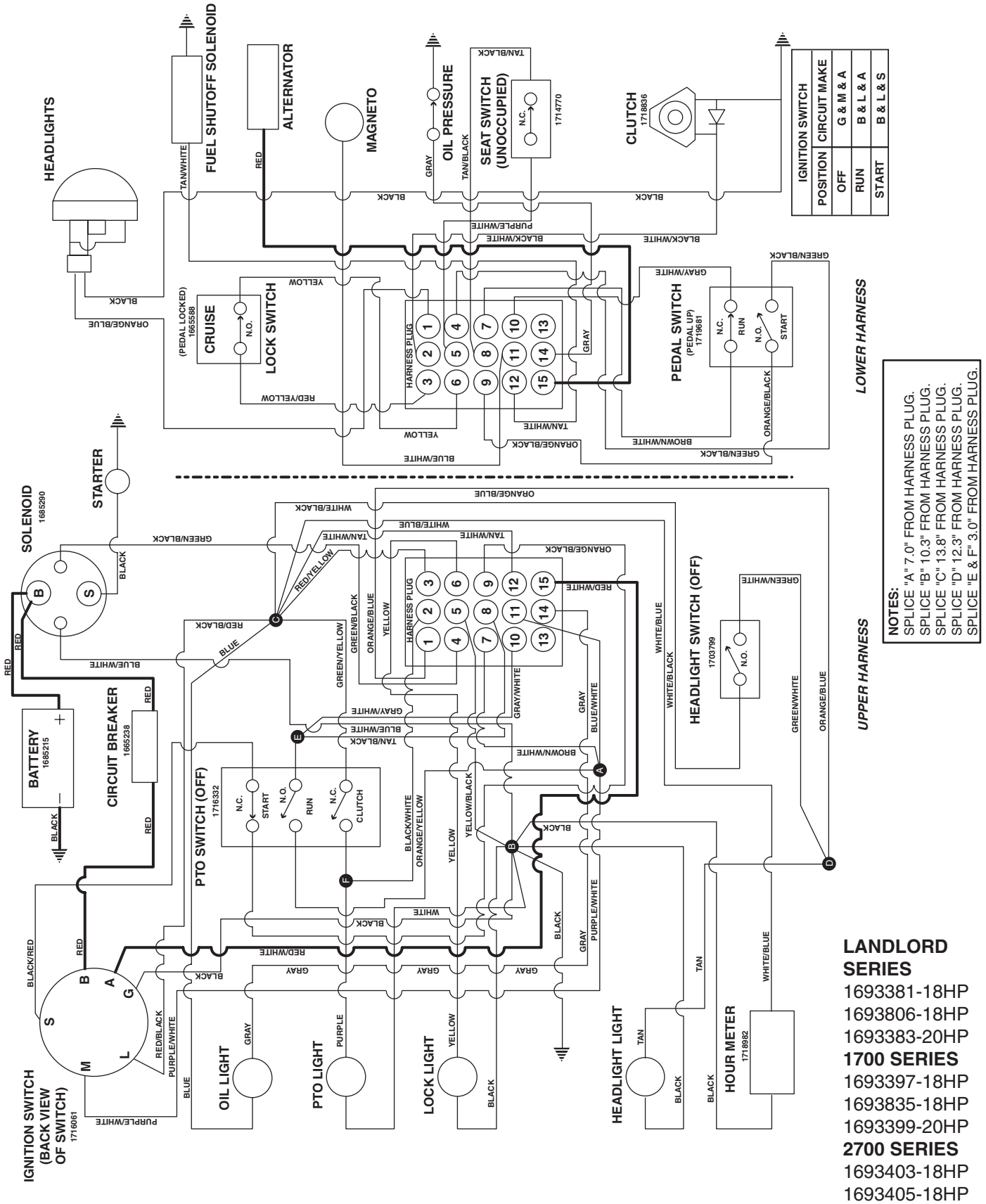
IGNITION SWITCH	
POSITION	CIRCUIT MAKE
1. OFF	G & M
2. RUN	B & L
3. START	B & L & S

IGNITION CIRCUIT/SHUTDOWN CIRCUIT



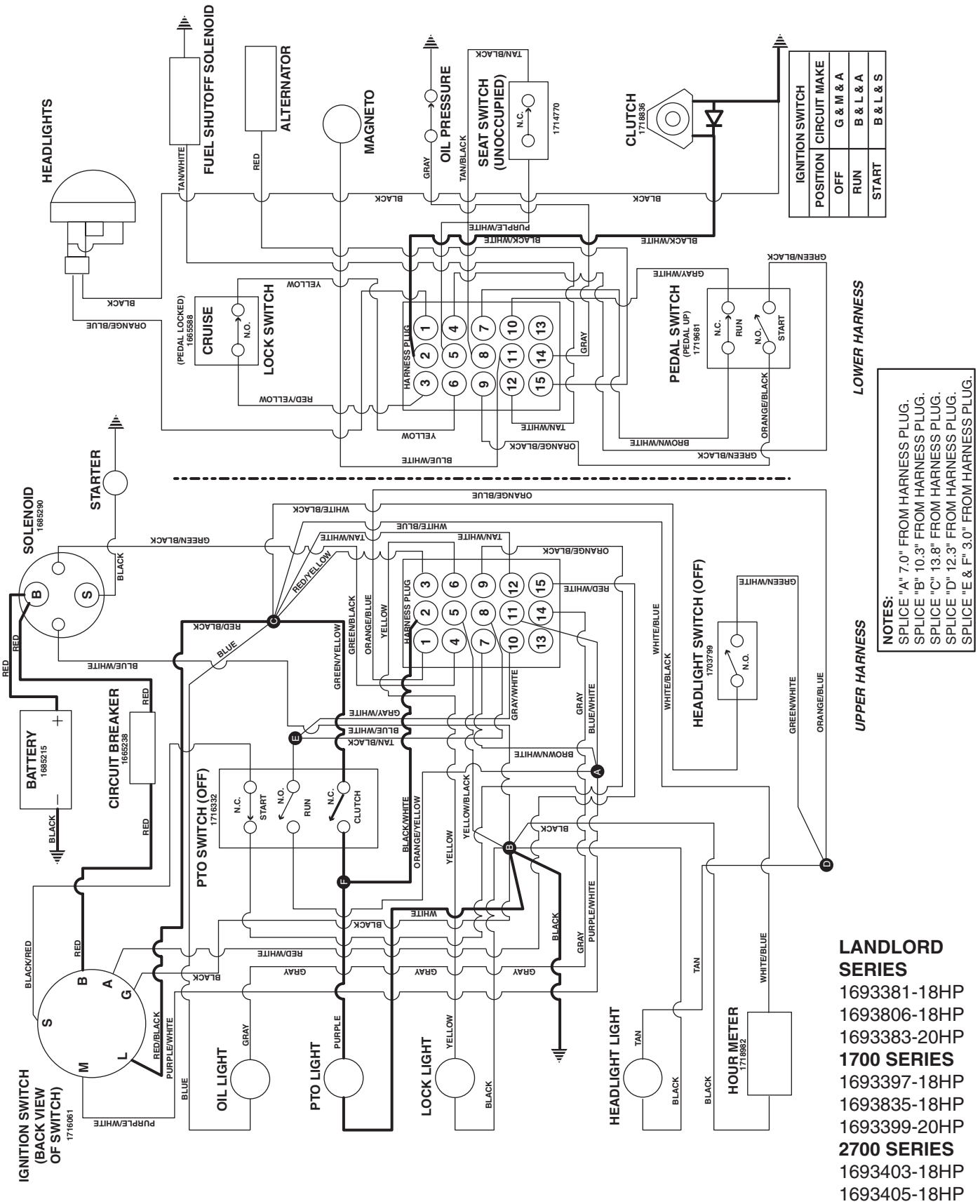
LANDLORD SERIES
1693381-18HP
1693806-18HP
1693383-20HP
1700 SERIES
1693397-18HP
1693835-18HP
1693399-20HP
2700 SERIES
1693403-18HP
1693405-18HP

CHARGING CIRCUIT



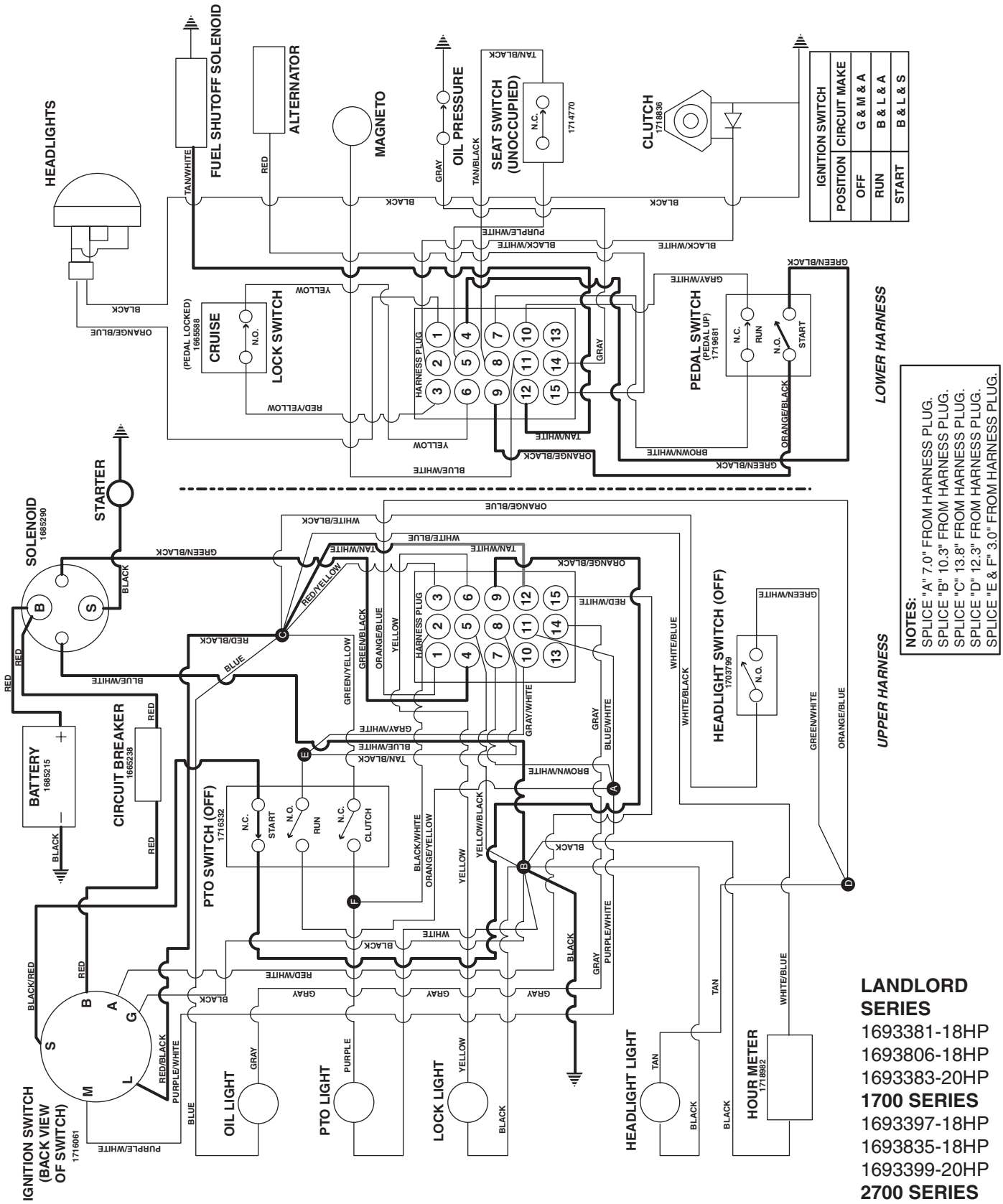
LANDLORD SERIES
1693381-18HP
1693806-18HP
1693383-20HP
1700 SERIES
1693397-18HP
1693835-18HP
1693399-20HP
2700 SERIES
1693403-18HP
1693405-18HP

PTO CLUTCH CIRCUIT



LANDLORD SERIES
1693381-18HP
1693806-18HP
1693383-20HP
1700 SERIES
1693397-18HP
1693835-18HP
1693399-20HP
2700 SERIES
1693403-18HP
1693405-18HP

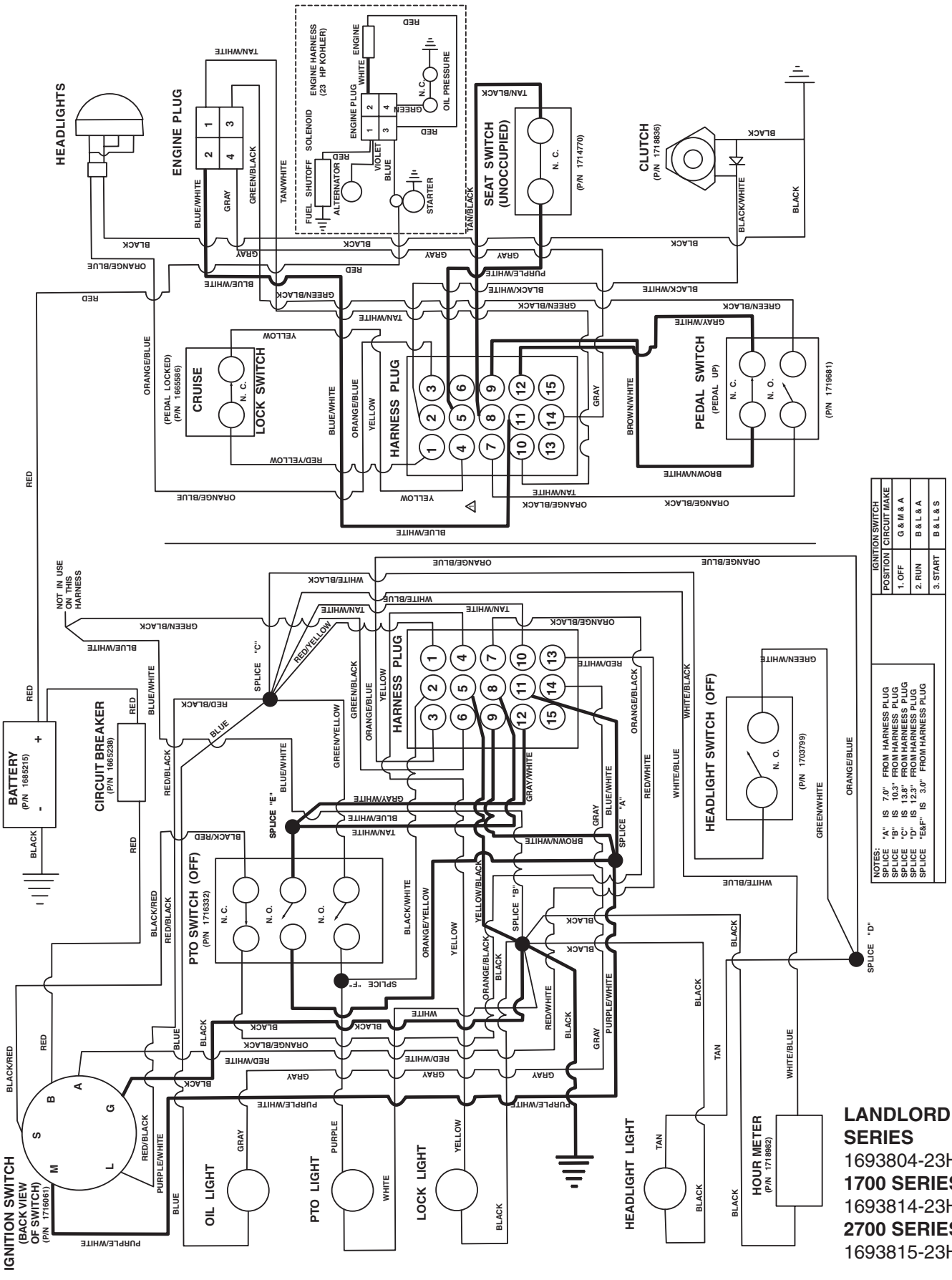
CRANKING CIRCUIT



See page one for proper safety start and operator present seat switch operation.

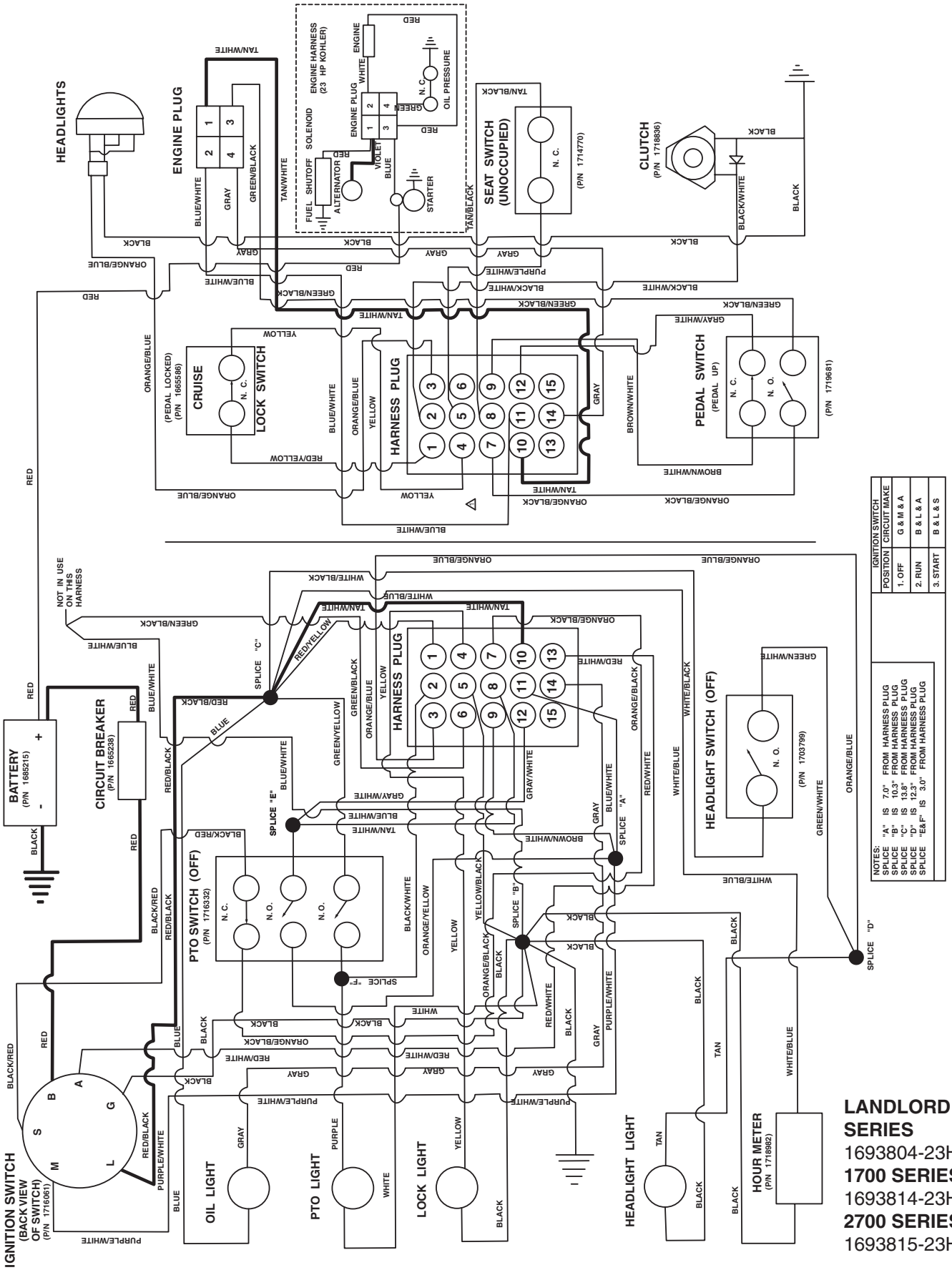
LANDLORD SERIES
1693381-18HP
1693806-18HP
1693383-20HP
1700 SERIES
1693397-18HP
1693835-18HP
1693399-20HP
2700 SERIES
1693403-18HP
1693405-18HP

IGNITION SHUTDOWN CIRCUIT



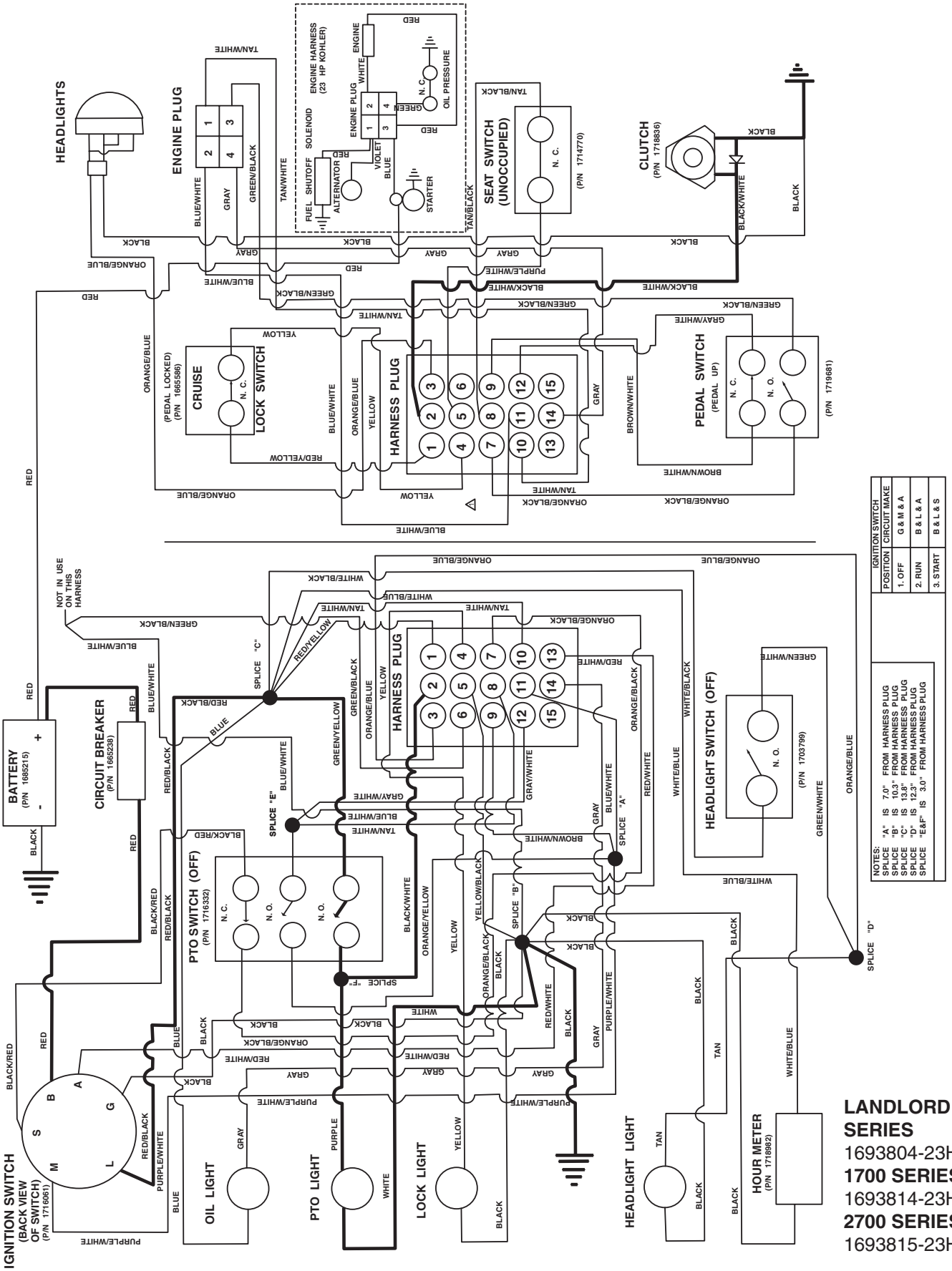
LANDLORD SERIES
1693804-23HP
1700 SERIES
1693814-23HP
2700 SERIES
1693815-23HP

CHARGING CIRCUIT



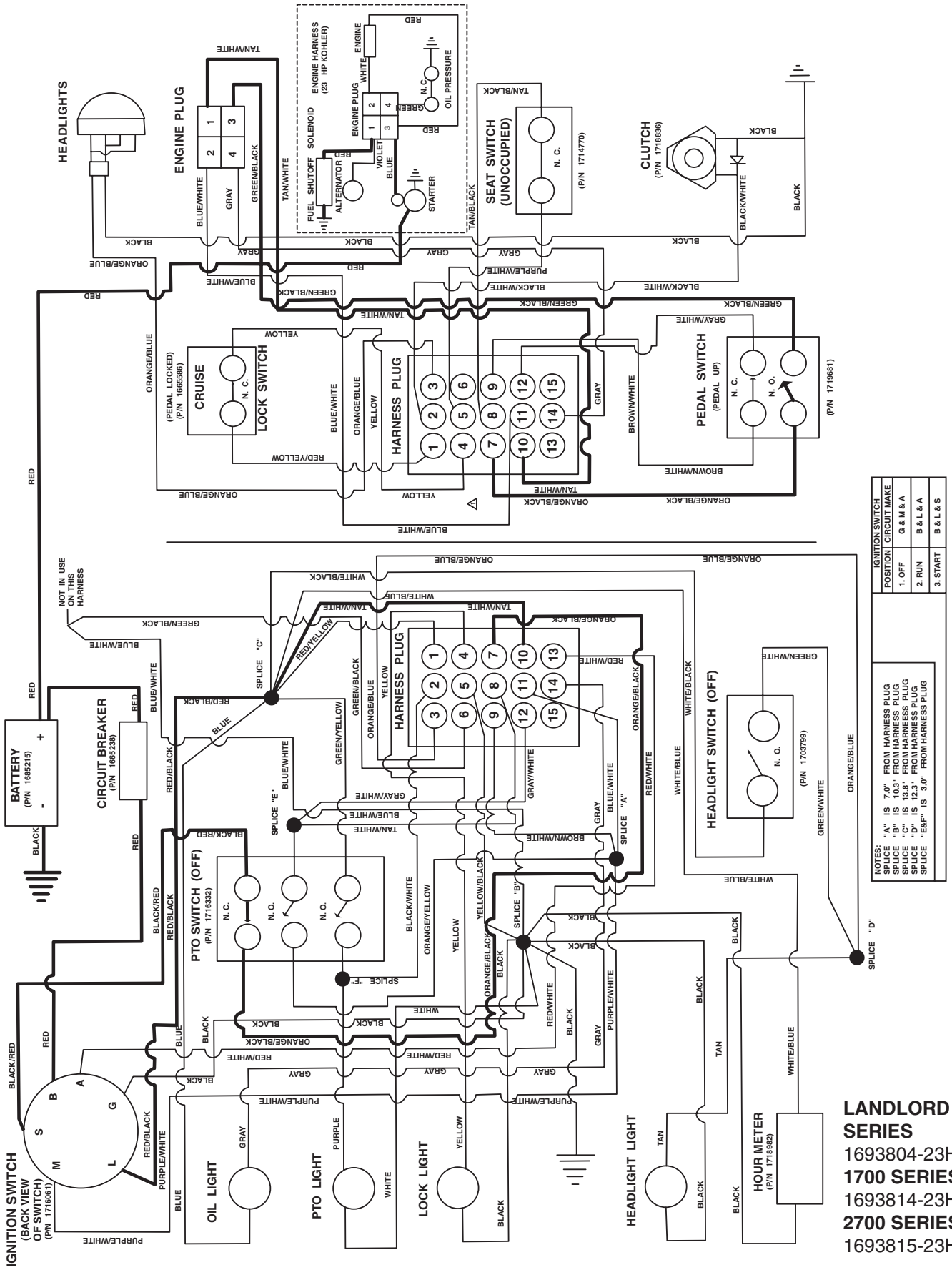
LANDLORD SERIES
1693804-23HP
1700 SERIES
1693814-23HP
2700 SERIES
1693815-23HP

PTO CLUTCH CIRCUIT



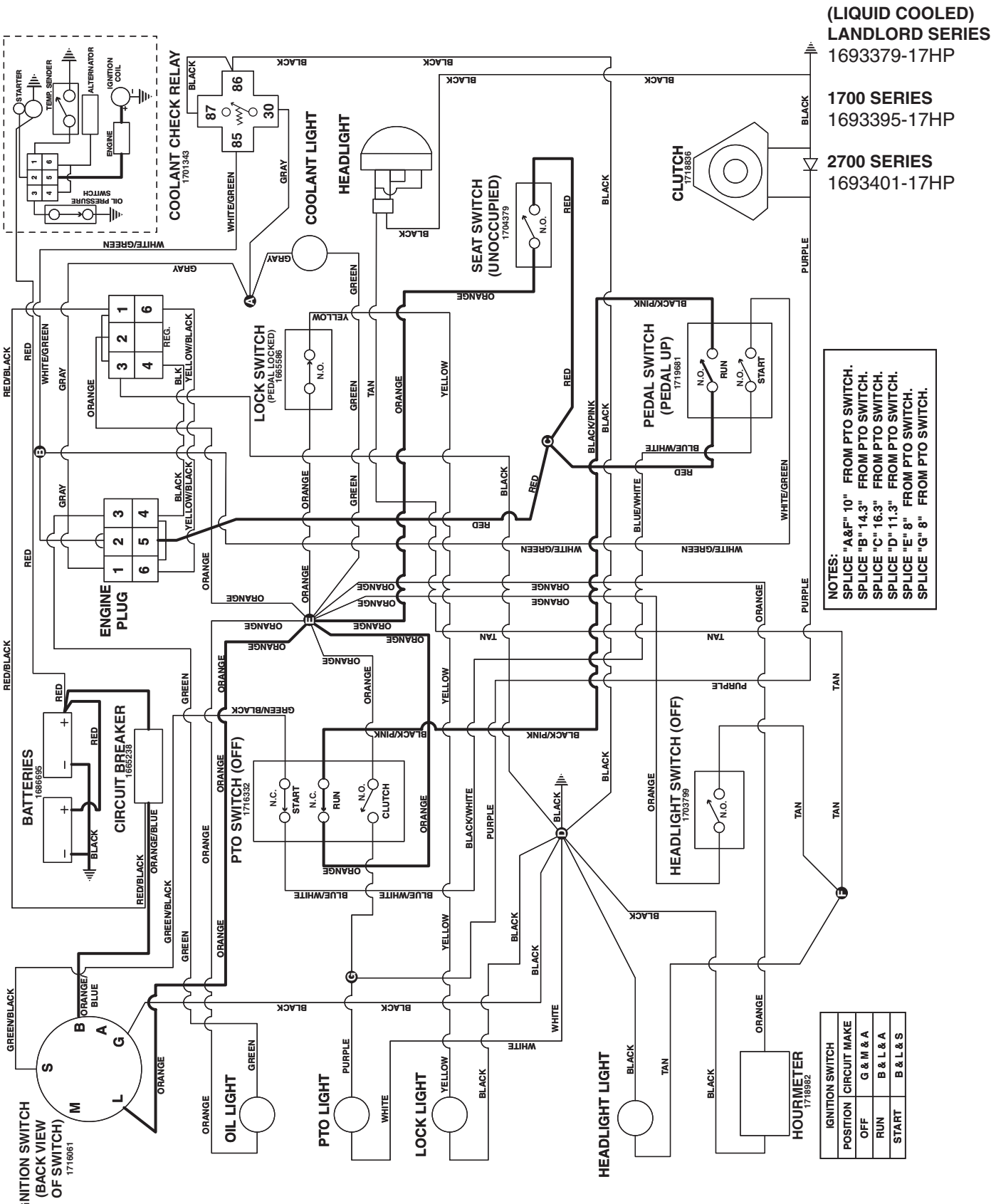
LANDLORD SERIES
1693804-23HP
1700 SERIES
1693814-23HP
2700 SERIES
1693815-23HP

CRANKING CIRCUIT

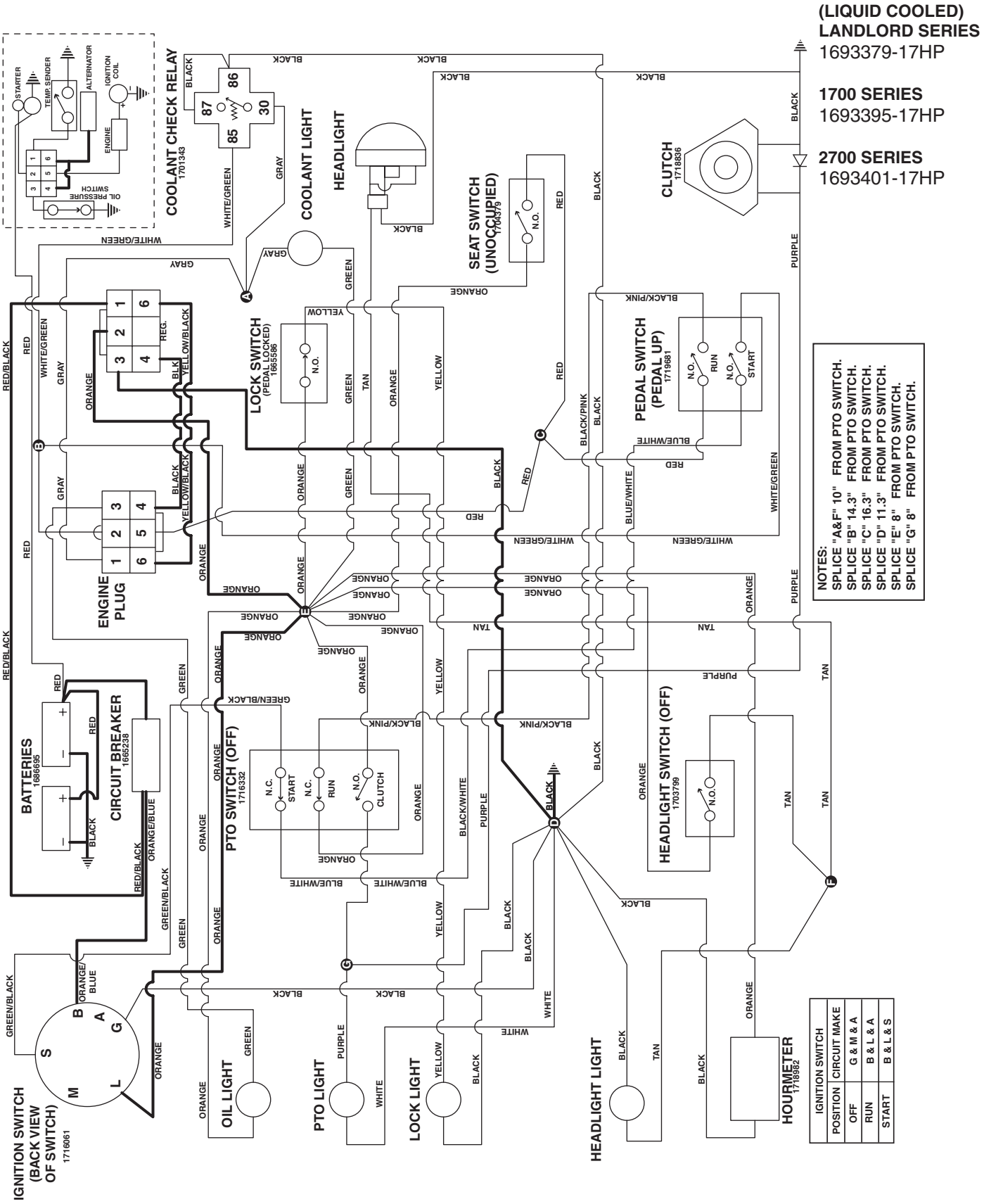


LANDLORD SERIES
1693804-23HP
1700 SERIES
1693814-23HP
2700 SERIES
1693815-23HP

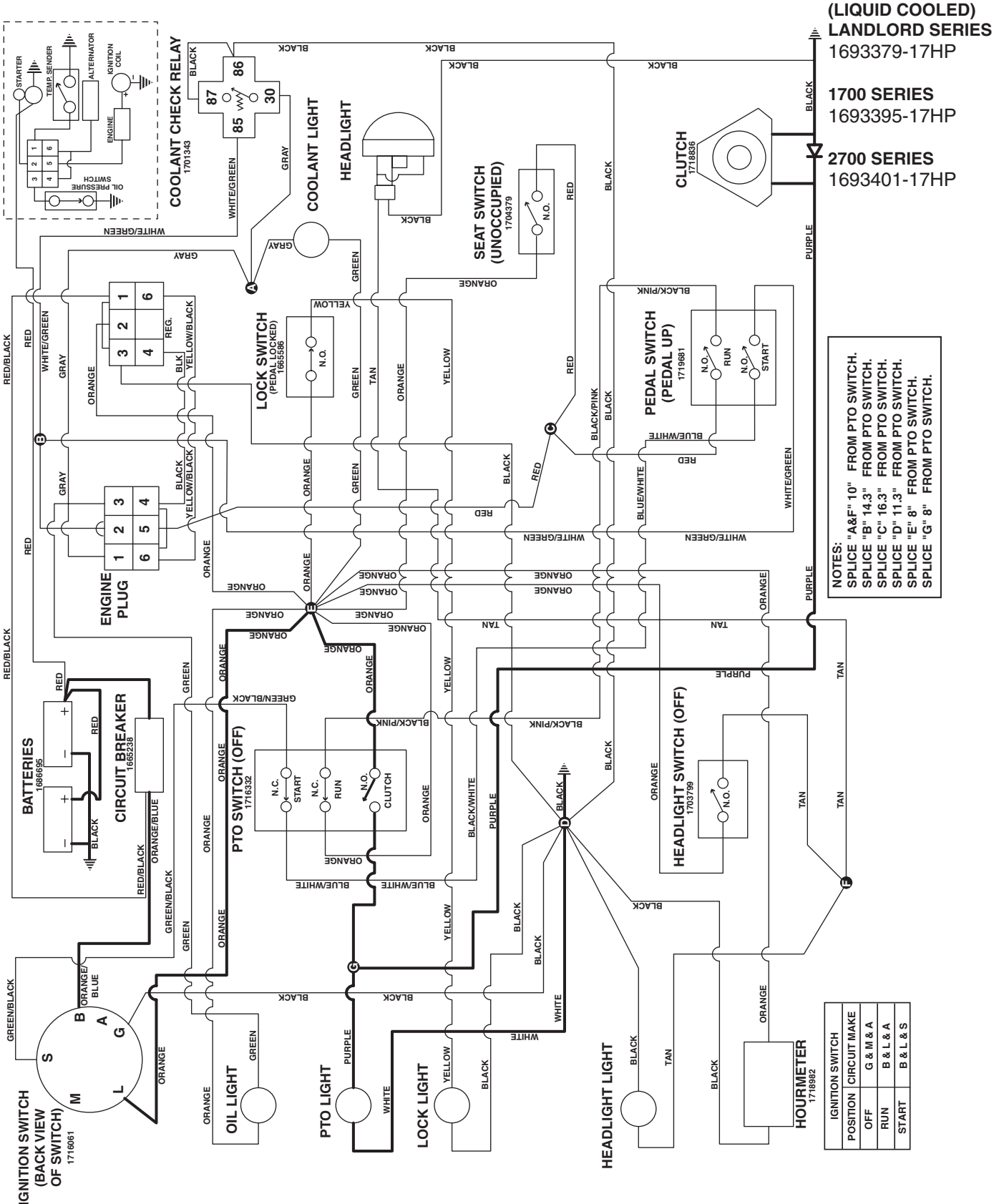
IGNITION/SHUTDOWN CIRCUIT



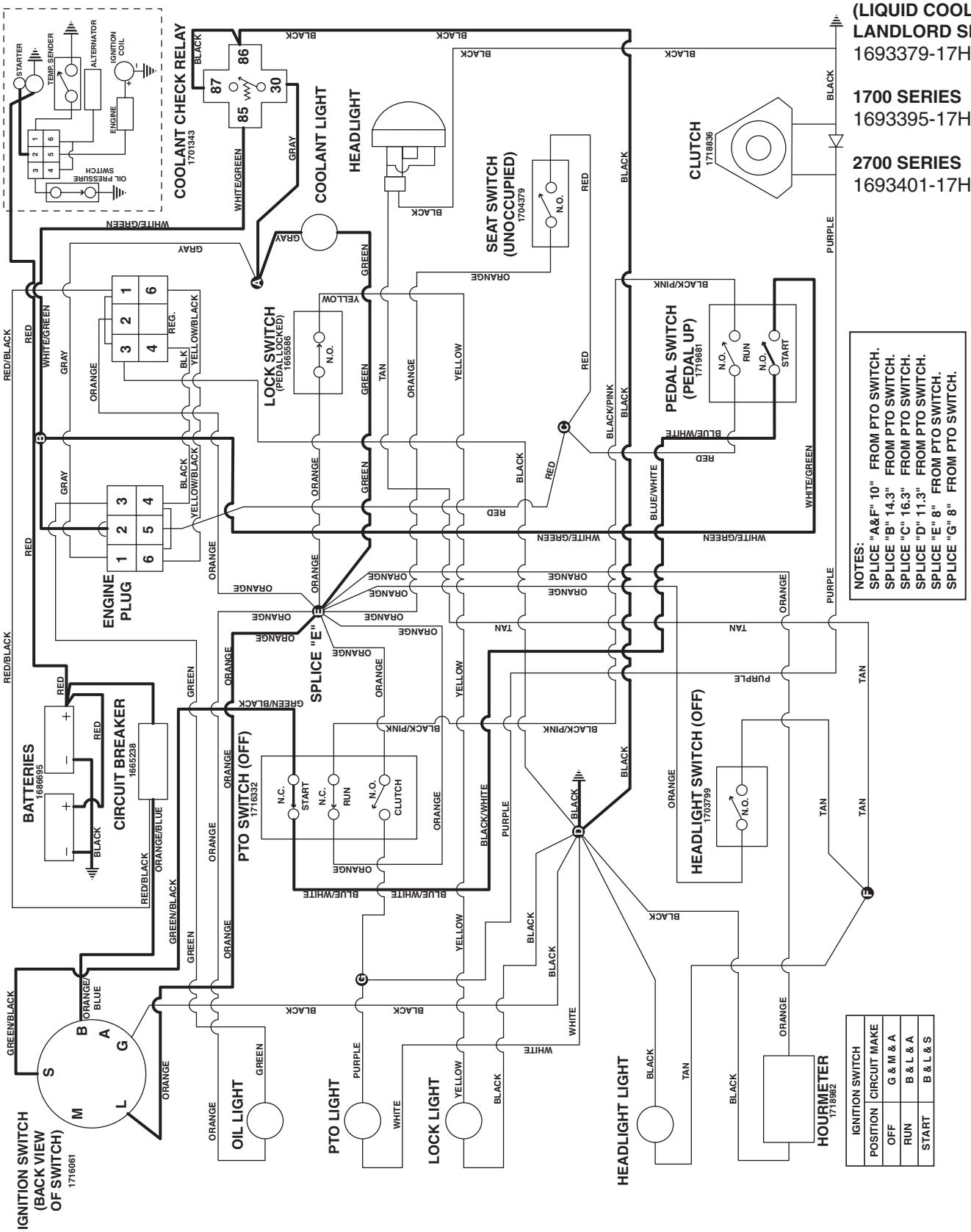
CHARGING CIRCUIT



PTO CLUTCH CIRCUIT

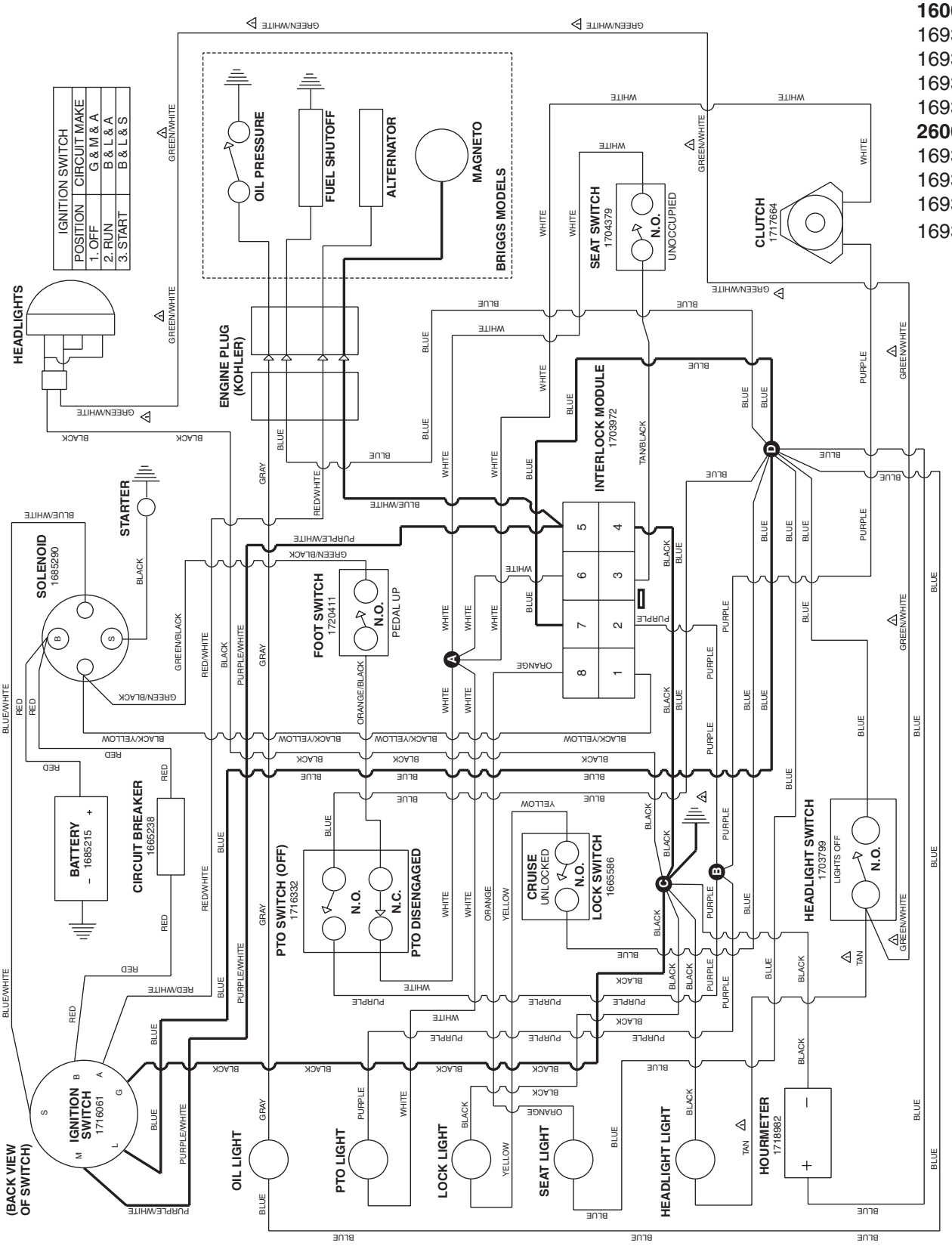


CRANKING CIRCUIT



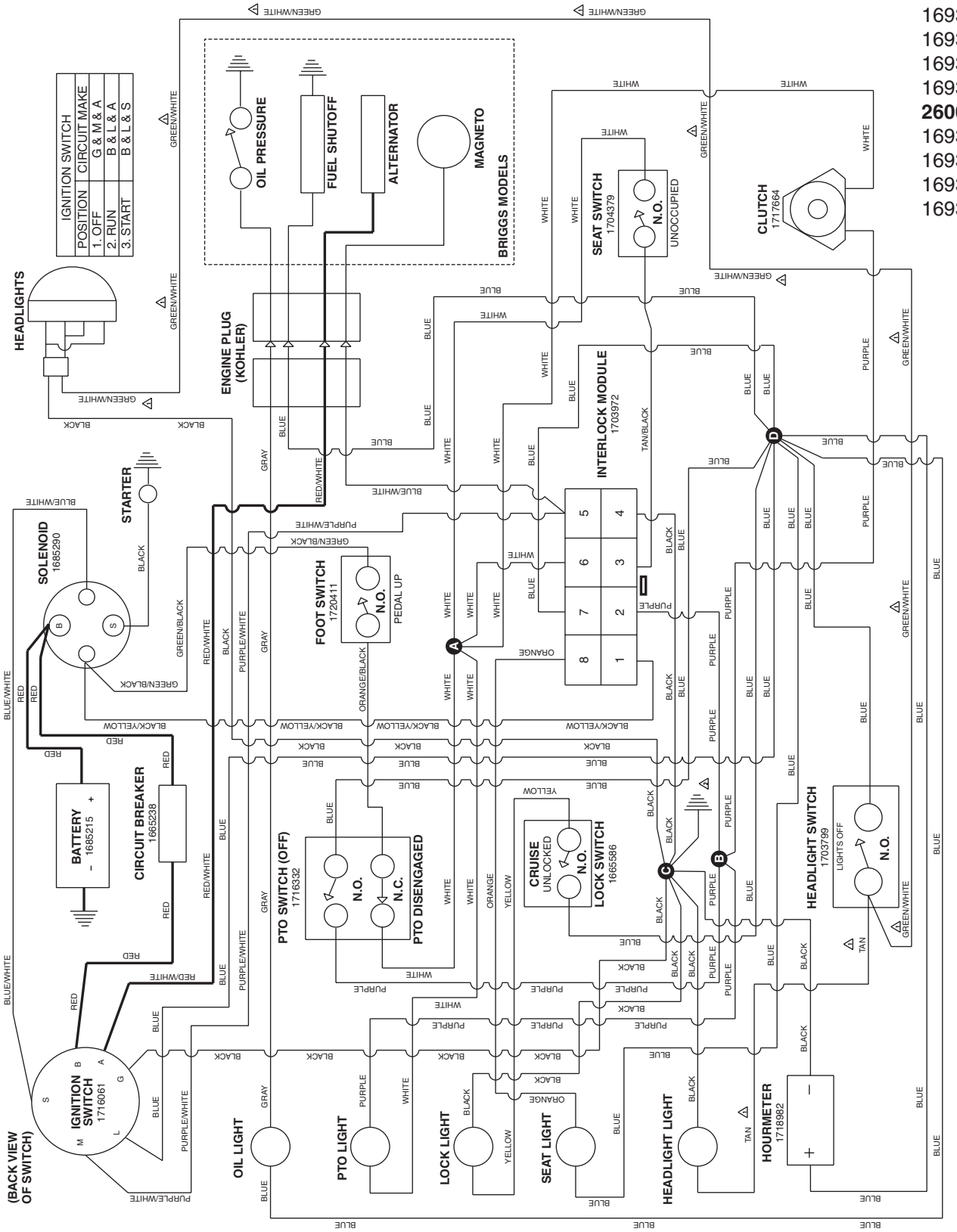
IGNITION CIRCUIT/SHUTDOWN CIRCUIT

BROADMOOR SERIES
1693580-16HP
1693592-16HP
1693817-16HP
1693600-18HP
1600 SERIES
1693596-16HP
1693617-16HP
1693821-16HP
1693602-18HP
2600 SERIES
1693598-16HP
1693622-16HP
1693823-16HP
1693604-18HP



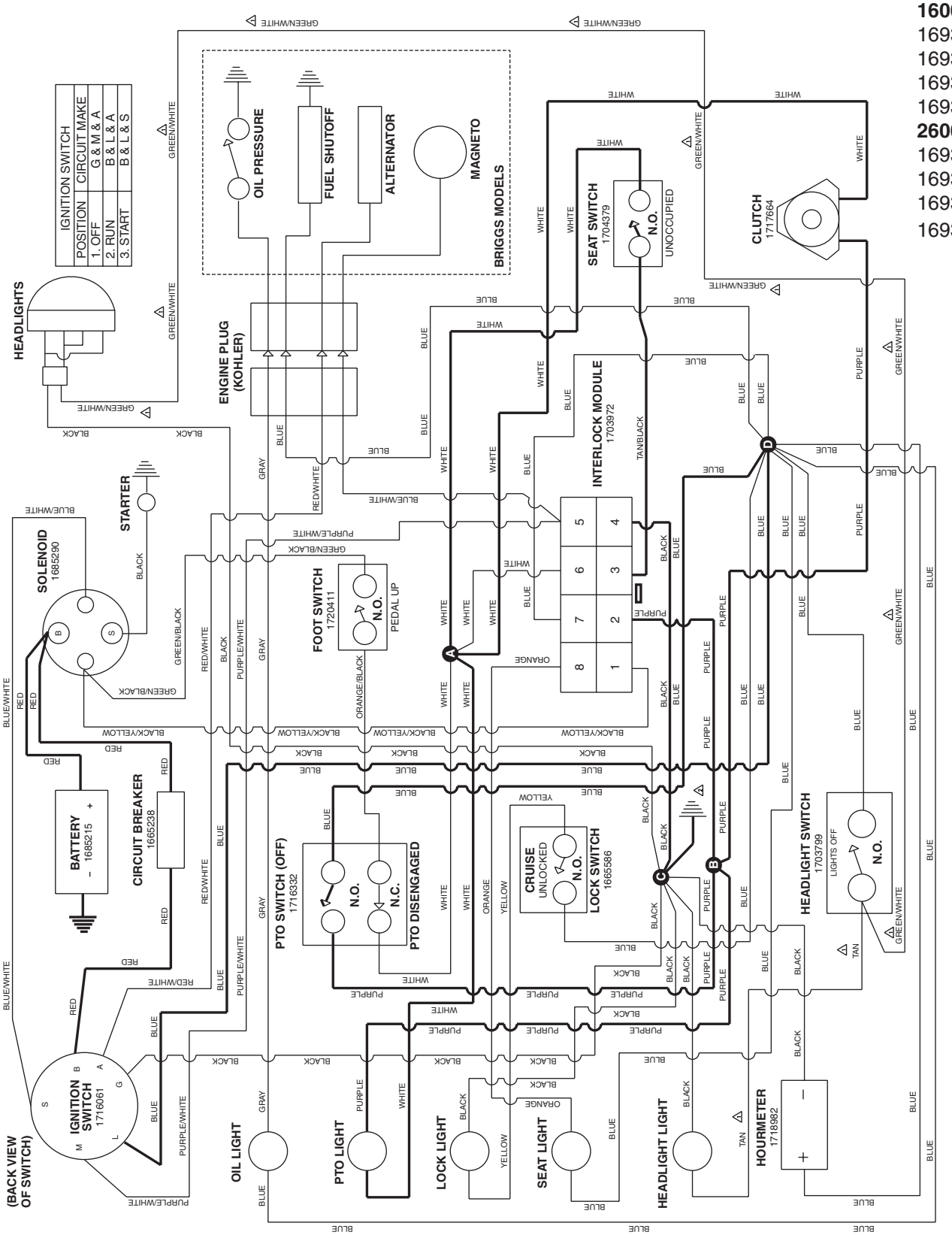
CHARGING CIRCUIT

BROADMOOR SERIES
1693580-16HP
1693592-16HP
1693817-16HP
1693600-18HP
1600 SERIES
1693596-16HP
1693617-16HP
1693821-16HP
1693602-18HP
2600 SERIES
1693598-16HP
1693622-16HP
1693823-16HP
1693604-18HP



CLUTCH CIRCUIT

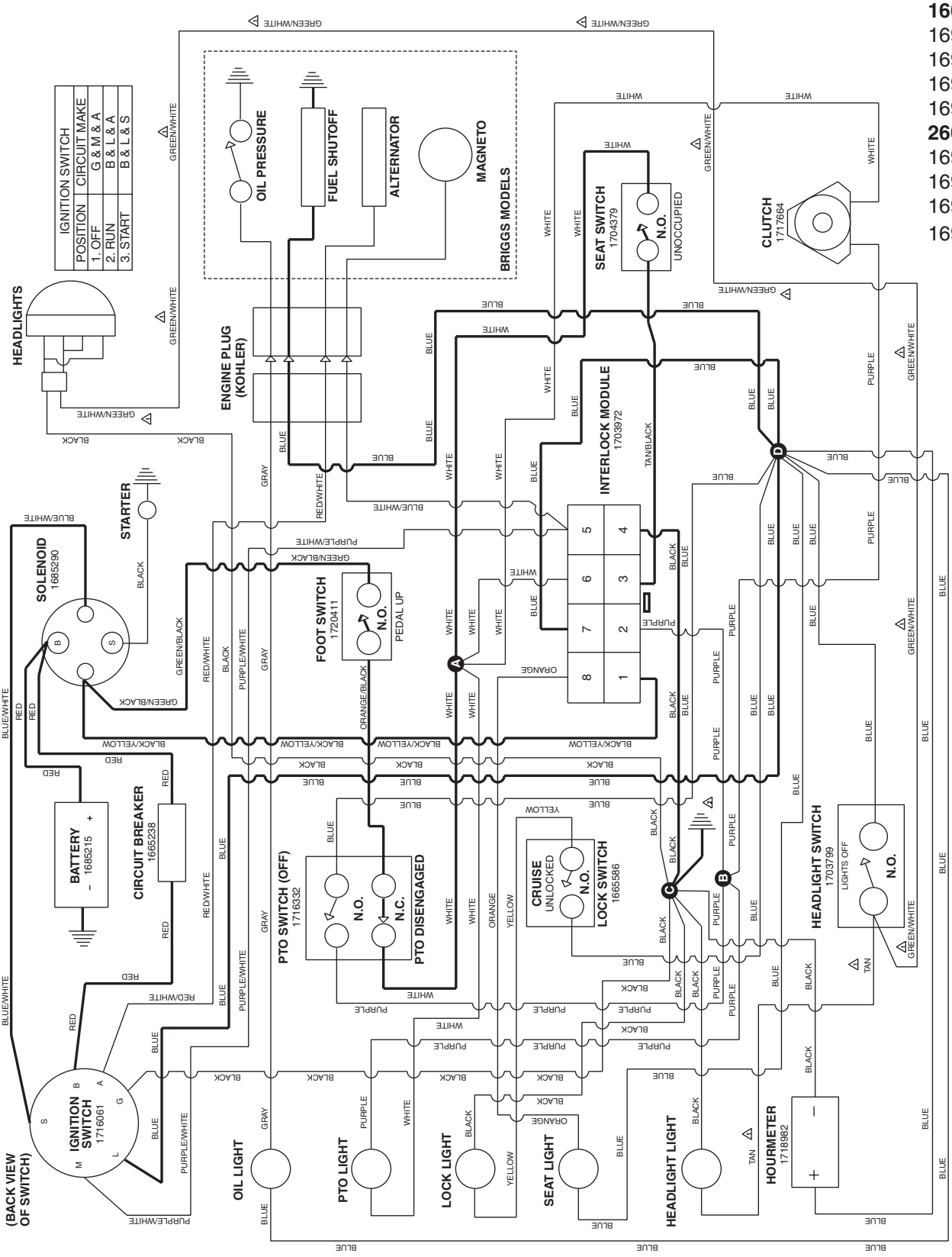
BROADMOOR SERIES
1693580-16HP
1693592-16HP
1693817-16HP
1693600-18HP
1600 SERIES
1693596-16HP
1693617-16HP
1693821-16HP
1693602-18HP
2600 SERIES
1693598-16HP
1693622-16HP
1693823-16HP
1693604-18HP



SAFETY START & OPERATOR PRESENT CIRCUIT

See page one for proper safety start and operator present seat switch operation.

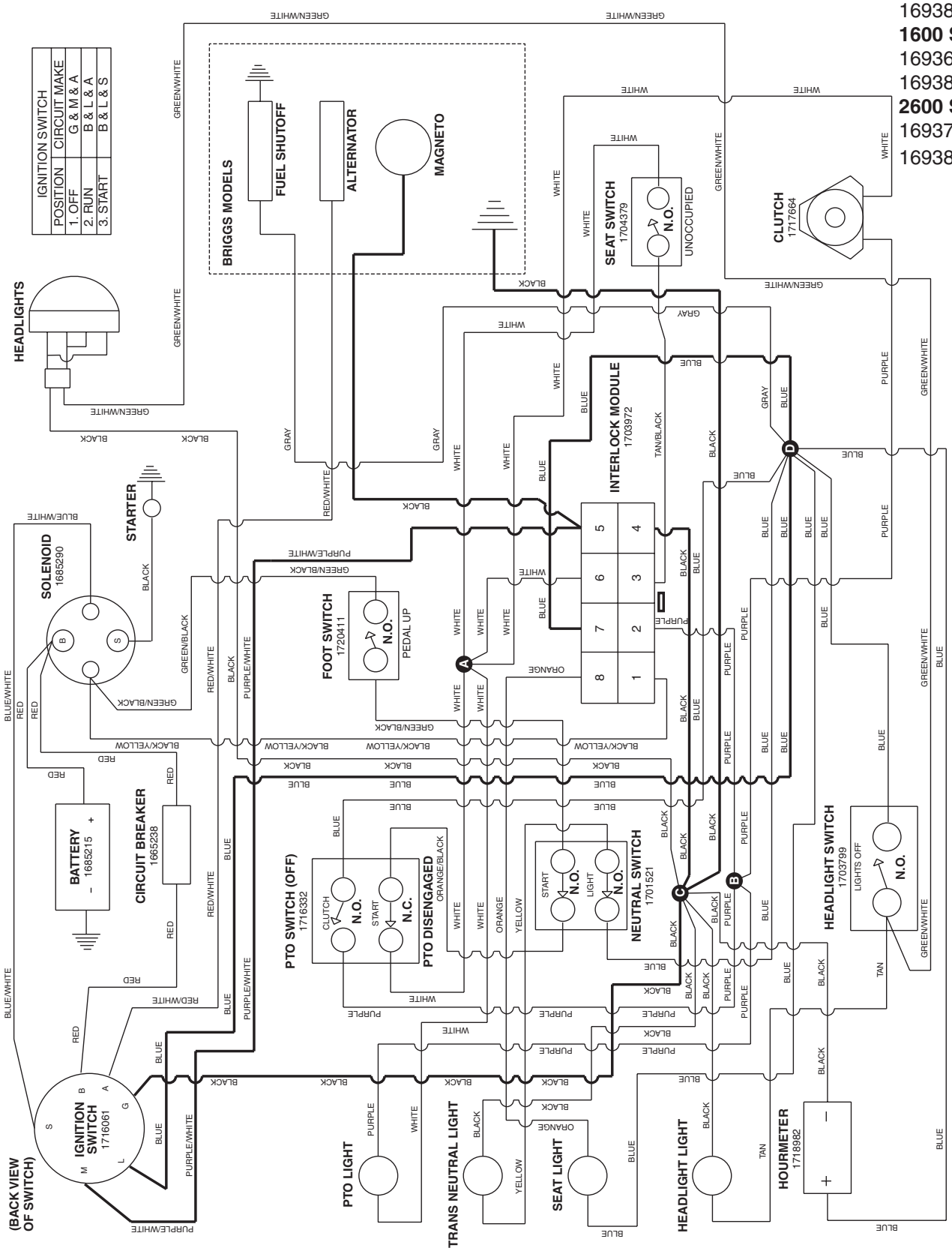
BROADMOOR SERIES
1693580-16HP
1693592-16HP
1693817-16HP
1693600-18HP
1600 SERIES
1693596-16HP
1693617-16HP
1693821-16HP
1693602-18HP
2600 SERIES
1693598-16HP
1693622-16HP
1693823-16HP
1693604-18HP



IGNITION CIRCUIT/SHUTDOWN CIRCUIT

HAND CONTROL UNIT

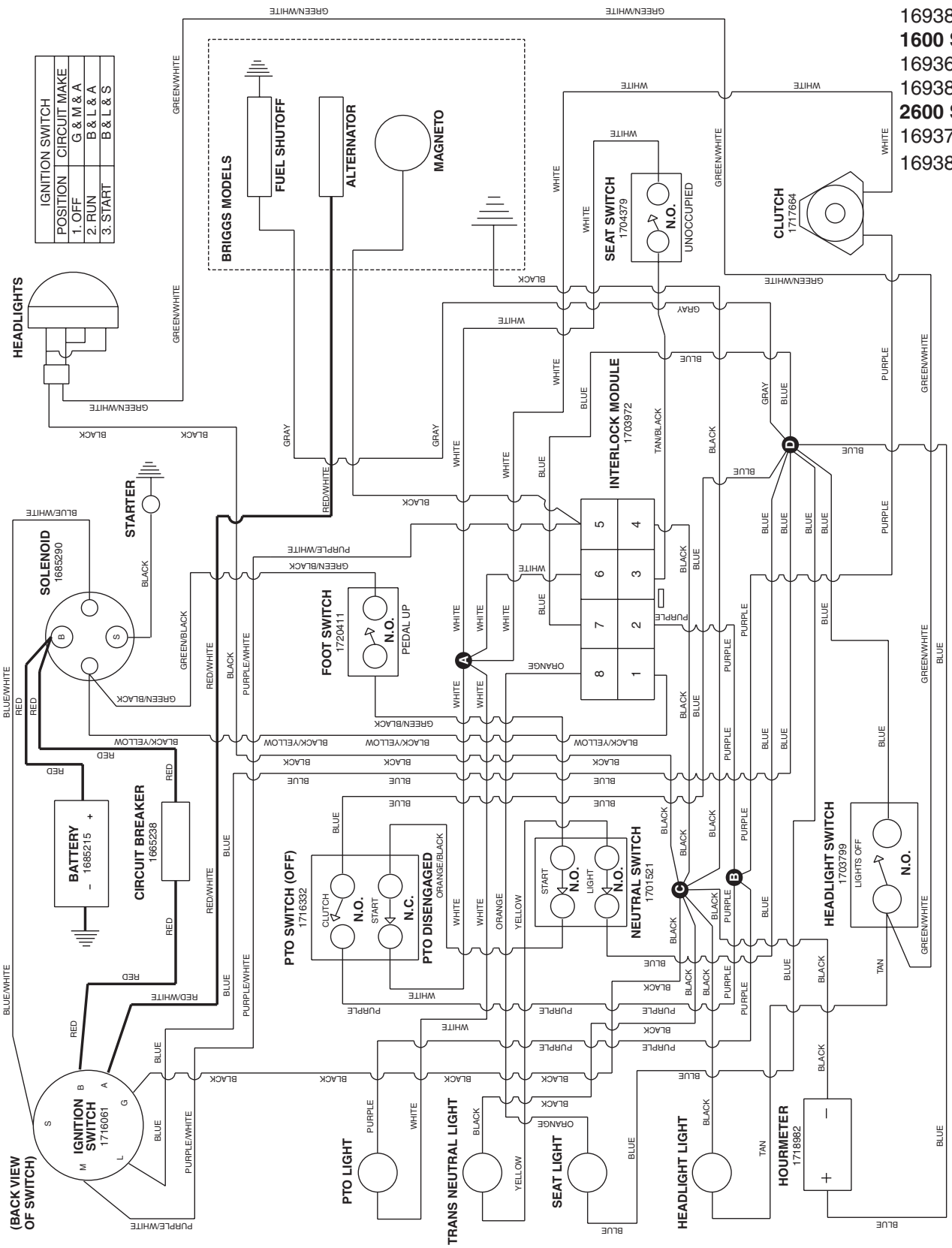
BROADMOOR SERIES
1693694-17HP
1693839-16HP
1600 SERIES
1693698-17HP
1693843-16HP
2600 SERIES
1693700-17HP
1693845-16HP



CHARGING CIRCUIT

HAND CONTROL UNIT

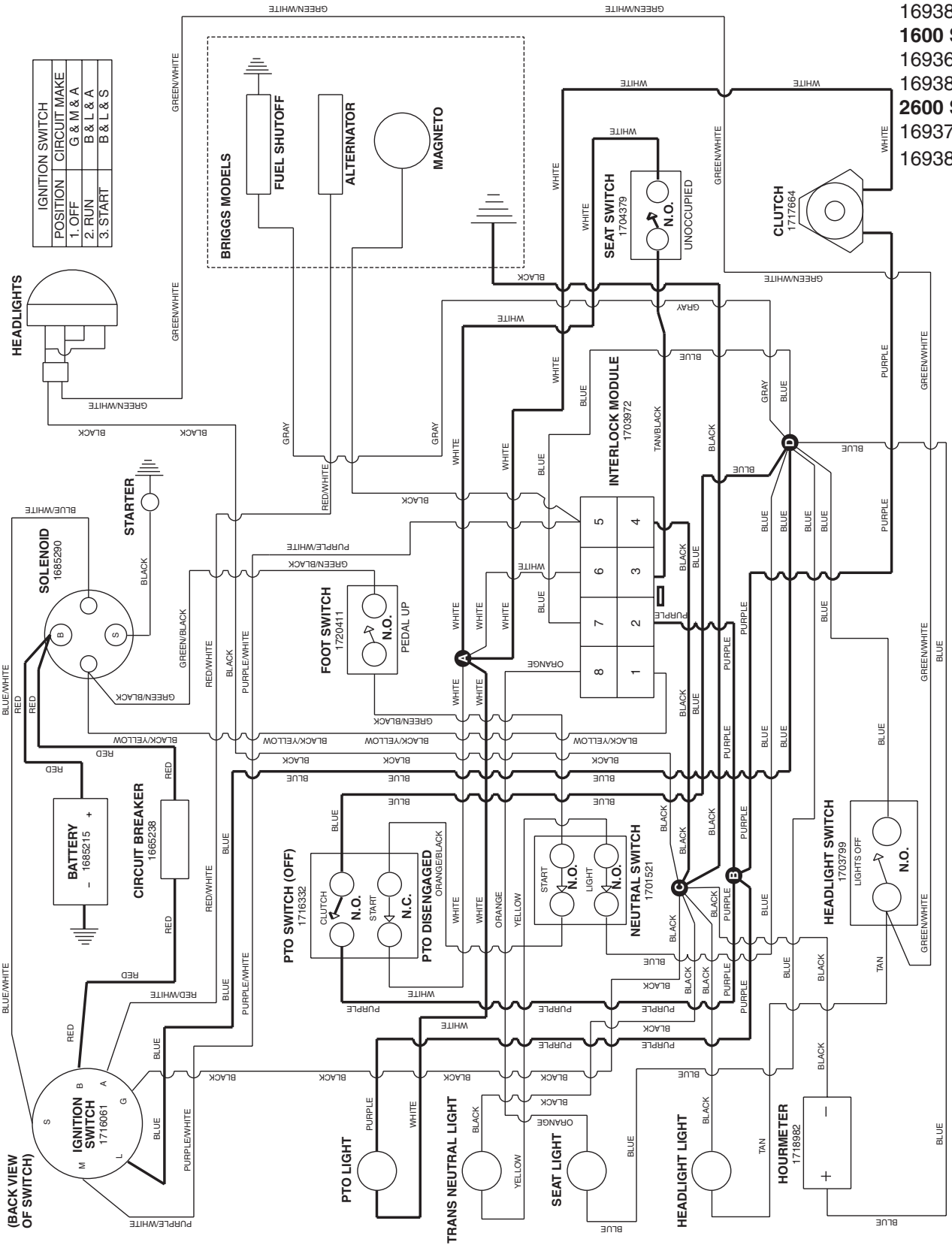
BROADMOOR SERIES
1693694-17HP
1693839-16HP
1600 SERIES
1693698-17HP
1693843-16HP
2600 SERIES
1693700-17HP
1693845-16HP



CLUTCH CIRCUIT

HAND CONTROL UNIT

BROADMOOR SERIES
1693694-17HP
1693839-16HP
1600 SERIES
1693698-17HP
1693843-16HP
2600 SERIES
1693700-17HP
1693845-16HP

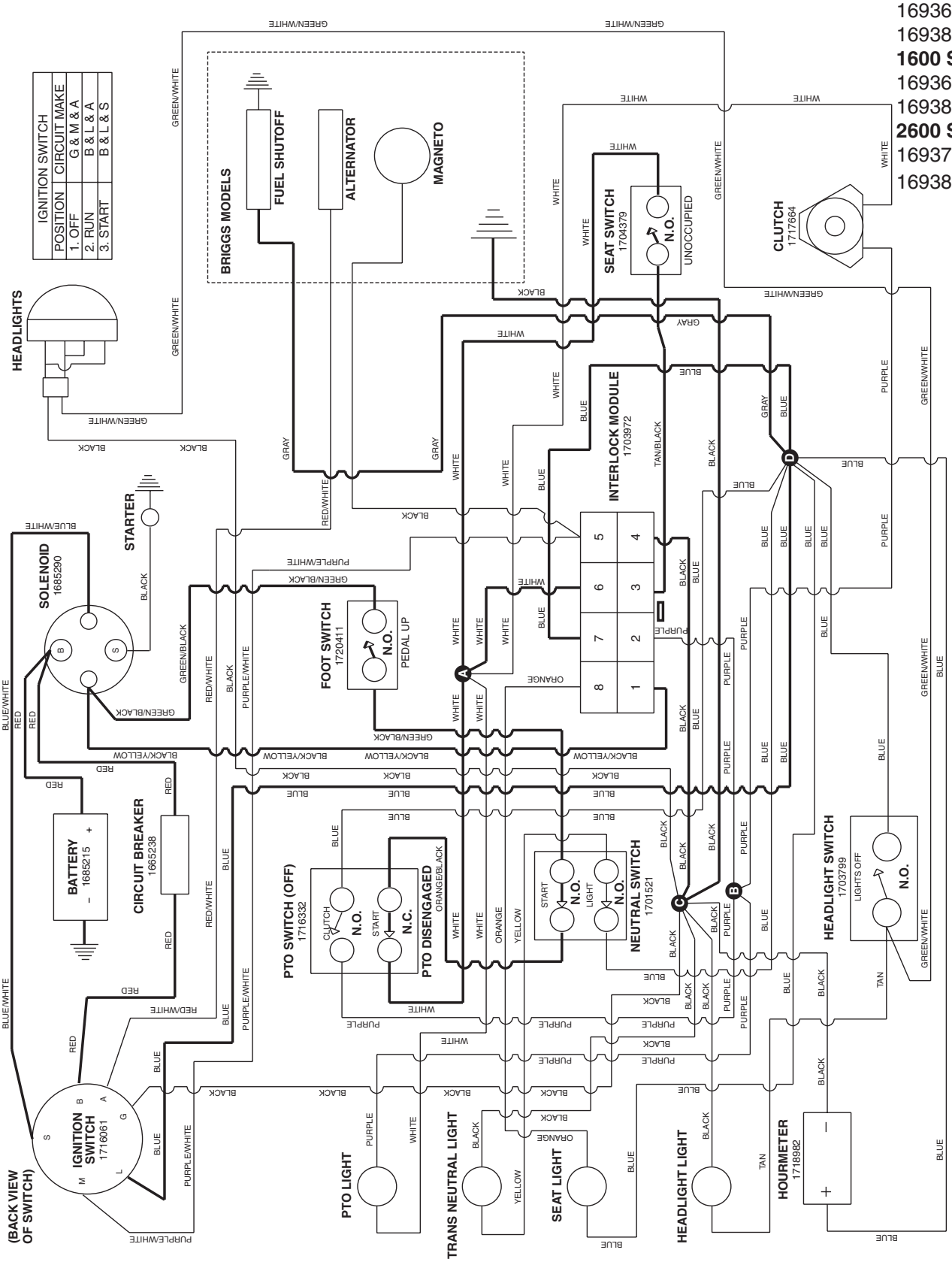


SAFETY START & OPERATOR PRESENT CIRCUIT

See page one for proper safety start and operator present seat switch operation.

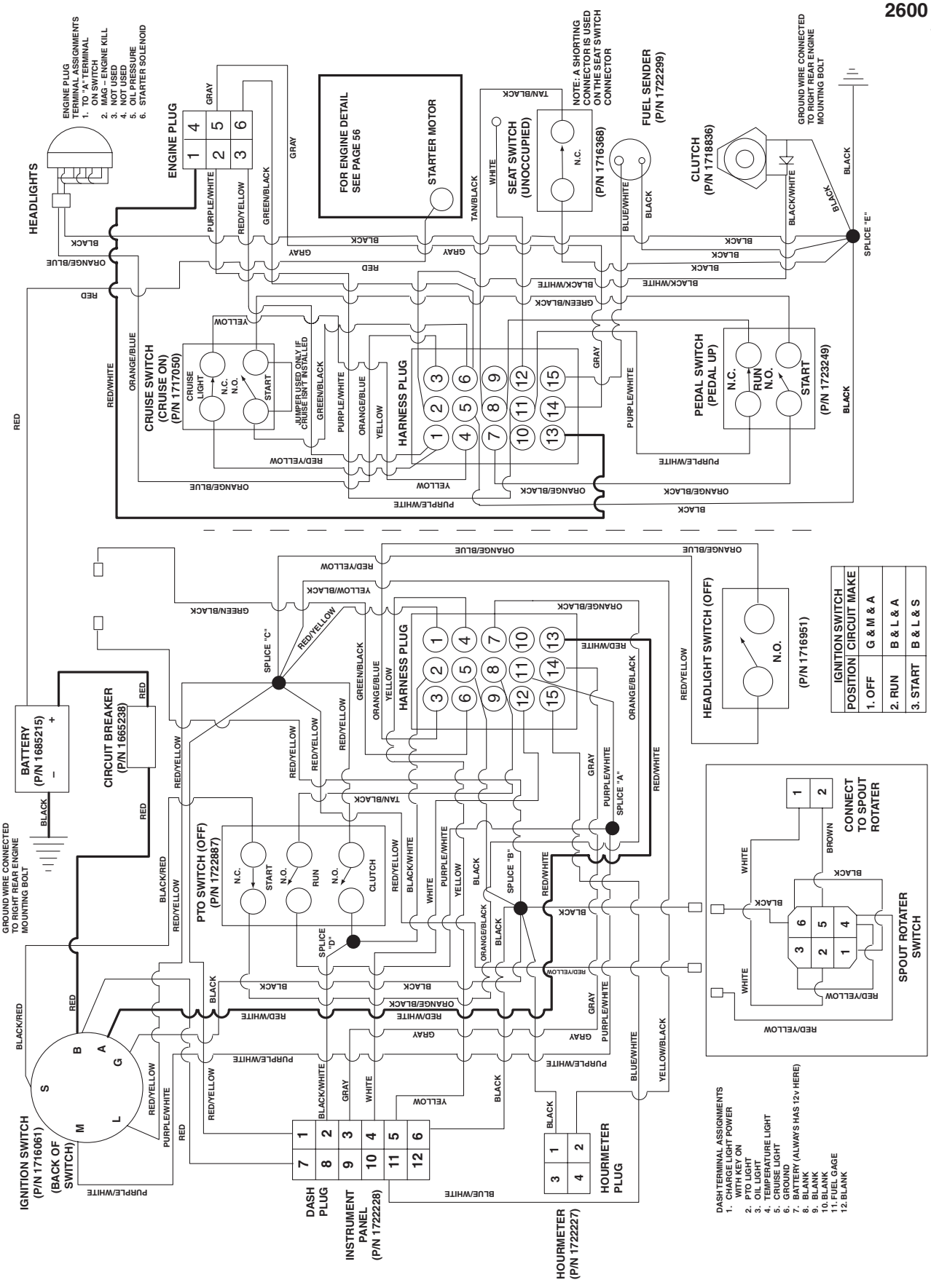
HAND CONTROL UNIT

BROADMOOR SERIES
1693694-17HP
1693839-16HP
1600 SERIES
1693698-17HP
1693843-16HP
2600 SERIES
1693700-17HP
1693845-16HP



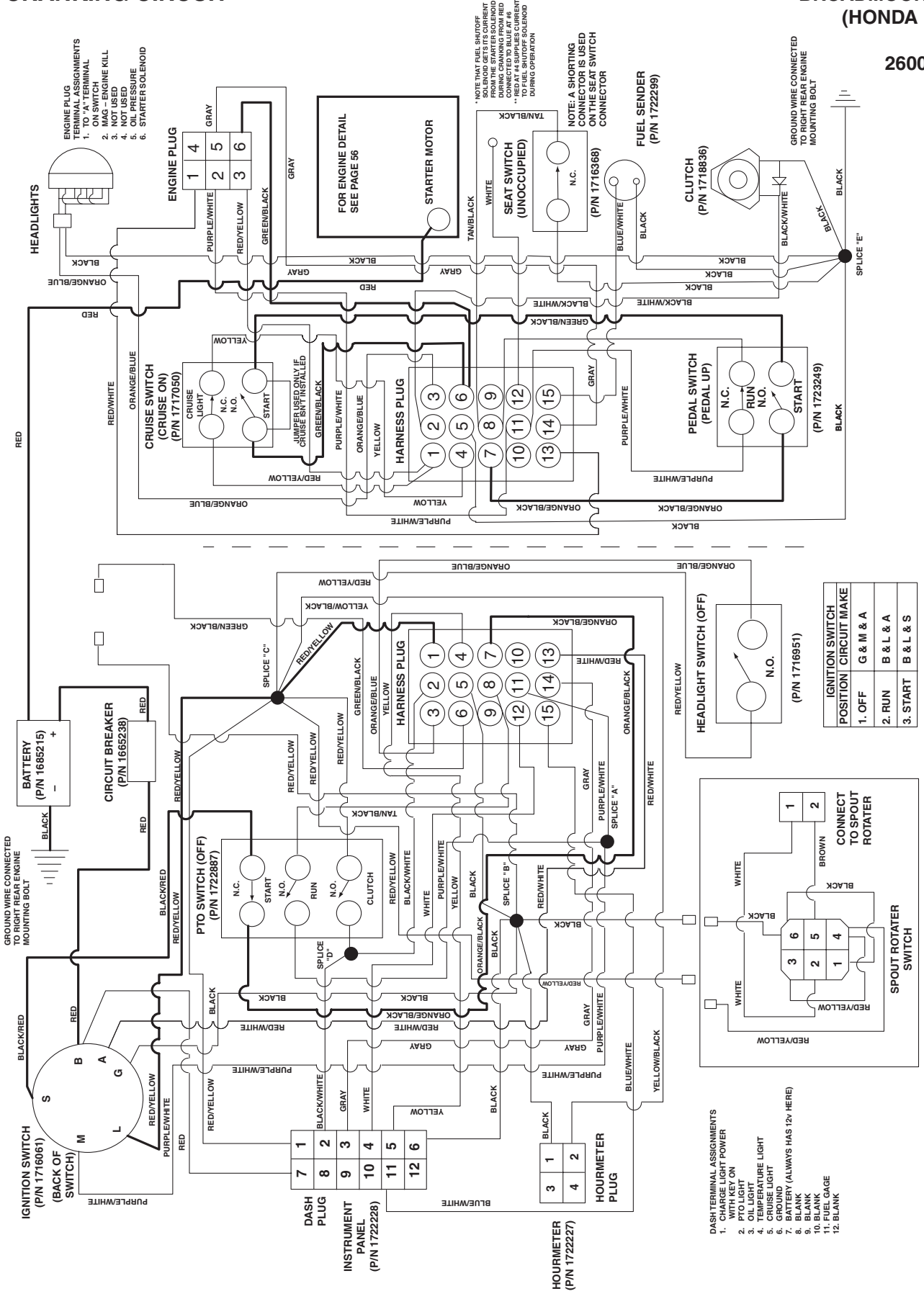
CHARGING CIRCUIT

BROADMOOR SERIES
(HONDA ENGINE)
1694277
2600 SERIES
1694281



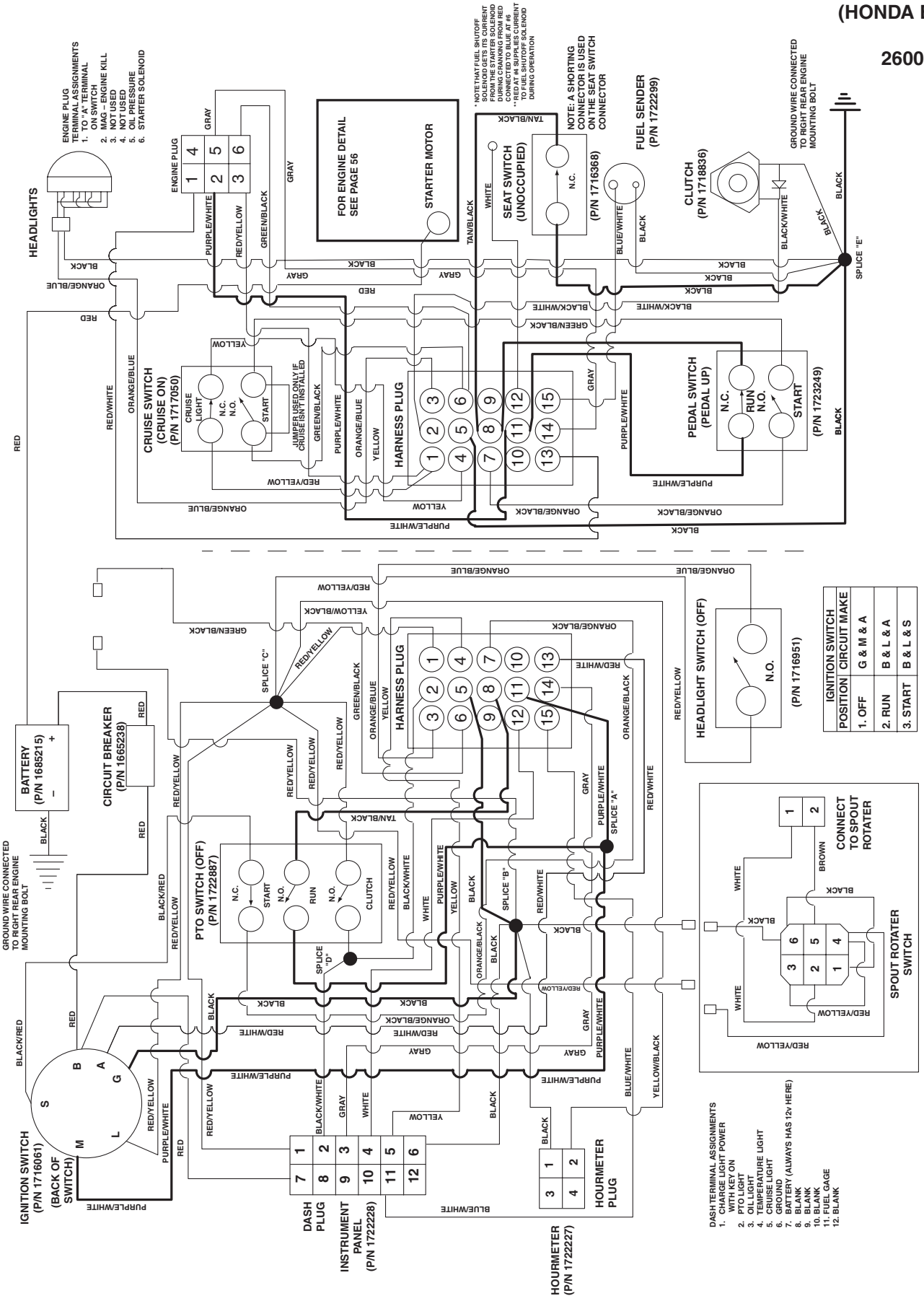
CRANKING CIRCUIT

BROADMOOR SERIES (HONDA ENGINE)
1694277
2600 SERIES
1694281


ENGINE PLUG TERMINAL ASSIGNMENTS
1. TO "A" TERMINAL ON SWITCH
2. MAG – ENGINE KILL
3. NOT USED
4. NOT USED
5. OIL PRESSURE
6. STARTER SOLENOID
HEADLIGHTS
ENGINE PLUG
FOR ENGINE DETAIL SEE PAGE 56
STARTER MOTOR
* NOTE THAT FUEL SHUTOFF SOLENOID GET'S IT'S CURRENT FROM THE STARTER SOLENOID DURING CRANKING FROM RED CONNECTED TO BLUE AT #6
** RED AT #4 SUPPLIES CURRENT TO THE FUEL SHUTOFF SOLENOID DURING OPERATION
SEAT SWITCH (UNOCCUPIED)
(P/N 1716368)
NOTE: A SHORTING CONNECTOR IS USED ON THE SEAT SWITCH CONNECTOR
FUEL SENDER (P/N 1722299)
CLUTCH (P/N 1718836)
GROUND WIRE CONNECTED TO RIGHT REAR ENGINE MOUNTING BOLT
SPLICE "E"
CRUISE SWITCH (CRUISE ON) (P/N 1717050)
CRUISE LIGHT
N.C.
N.O.
START
JUMPER USED ONLY IF CRUISE ISN'T INSTALLED
HARNESS PLUG
PEDAL SWITCH (PEDAL UP)
RUN
START (P/N 1723249)
BATTERY (P/N 1685215)
CIRCUIT BREAKER (P/N 1665238)
GROUND WIRE CONNECTED TO RIGHT REAR ENGINE MOUNTING BOLT
PTO SWITCH (OFF) (P/N 1722887)
CLUTCH
SPLICE "A"
SPLICE "B"
SPLICE "C"
SPLICE "D"
HEADLIGHT SWITCH (OFF)
(P/N 1716951)
IGNITION SWITCH
POSITION | CIRCUIT MAKE
1. OFF | G & M & A
2. RUN | B & L & A
3. START | B & L & S
CONNECT TO SPOUT ROTATER
SPOUT ROTATER SWITCH
IGNITION SWITCH (P/N 1716061) (BACK OF SWITCH)
DASH PLUG
INSTRUMENT PANEL (P/N 1722228)
HOURMETER PLUG
HOURMETER (P/N 1722227)
DASH TERMINAL ASSIGNMENTS
1. CHARGE LIGHT POWER WITH KEY ON
2. PTO LIGHT
3. OIL LIGHT
4. TEMPERATURE LIGHT
5. CRUISE LIGHT
6. GROUND
7. BATTERY (ALWAYS HAS 12v HERE)
8. BLANK
9. BLANK
10. BLANK
11. FUEL GAGE
12. BLANK

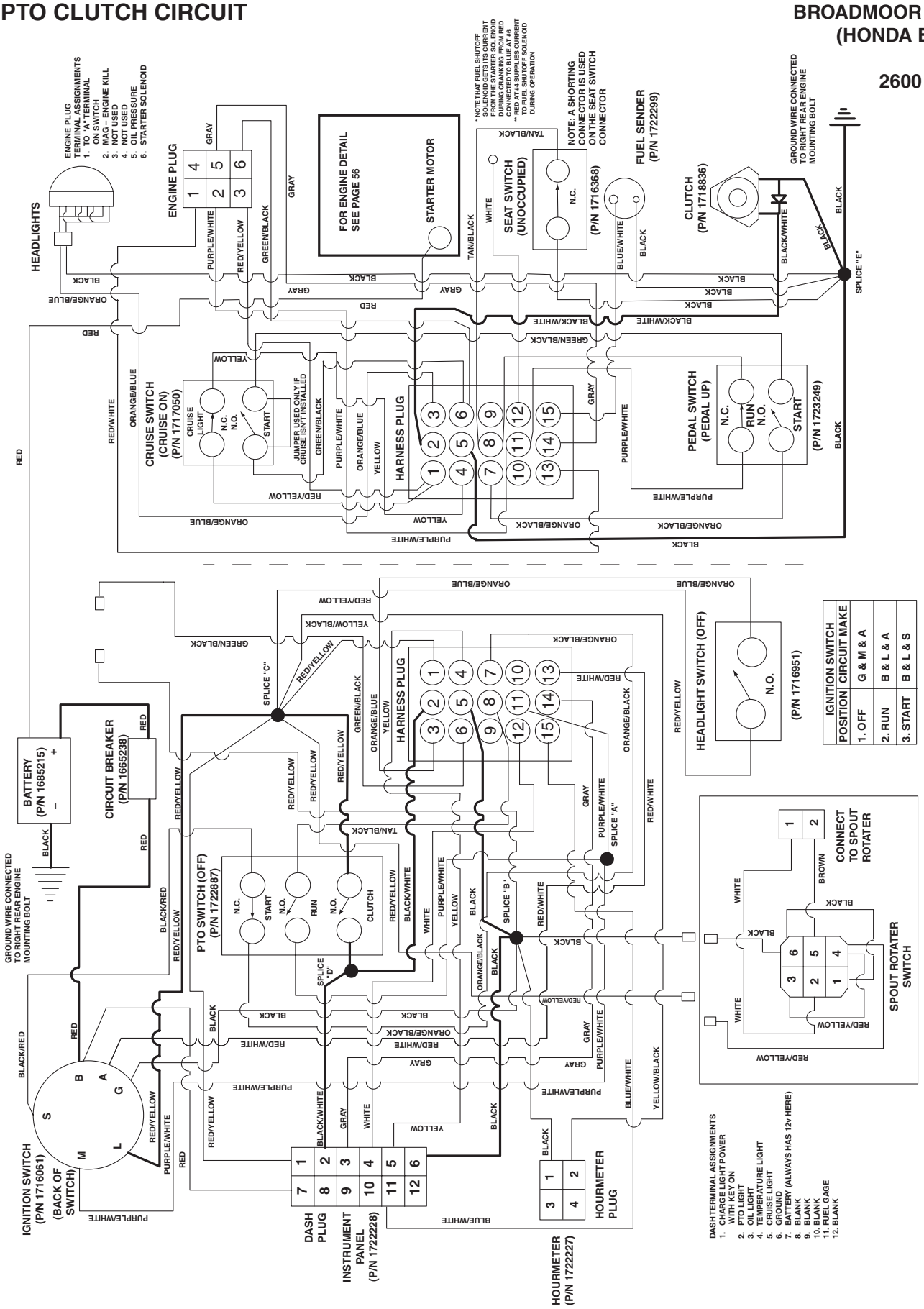
IGNITION/SHUTDOWN CIRCUIT

BROADMOOR SERIES
(HONDA ENGINE)
1694277
2600 SERIES
1694281



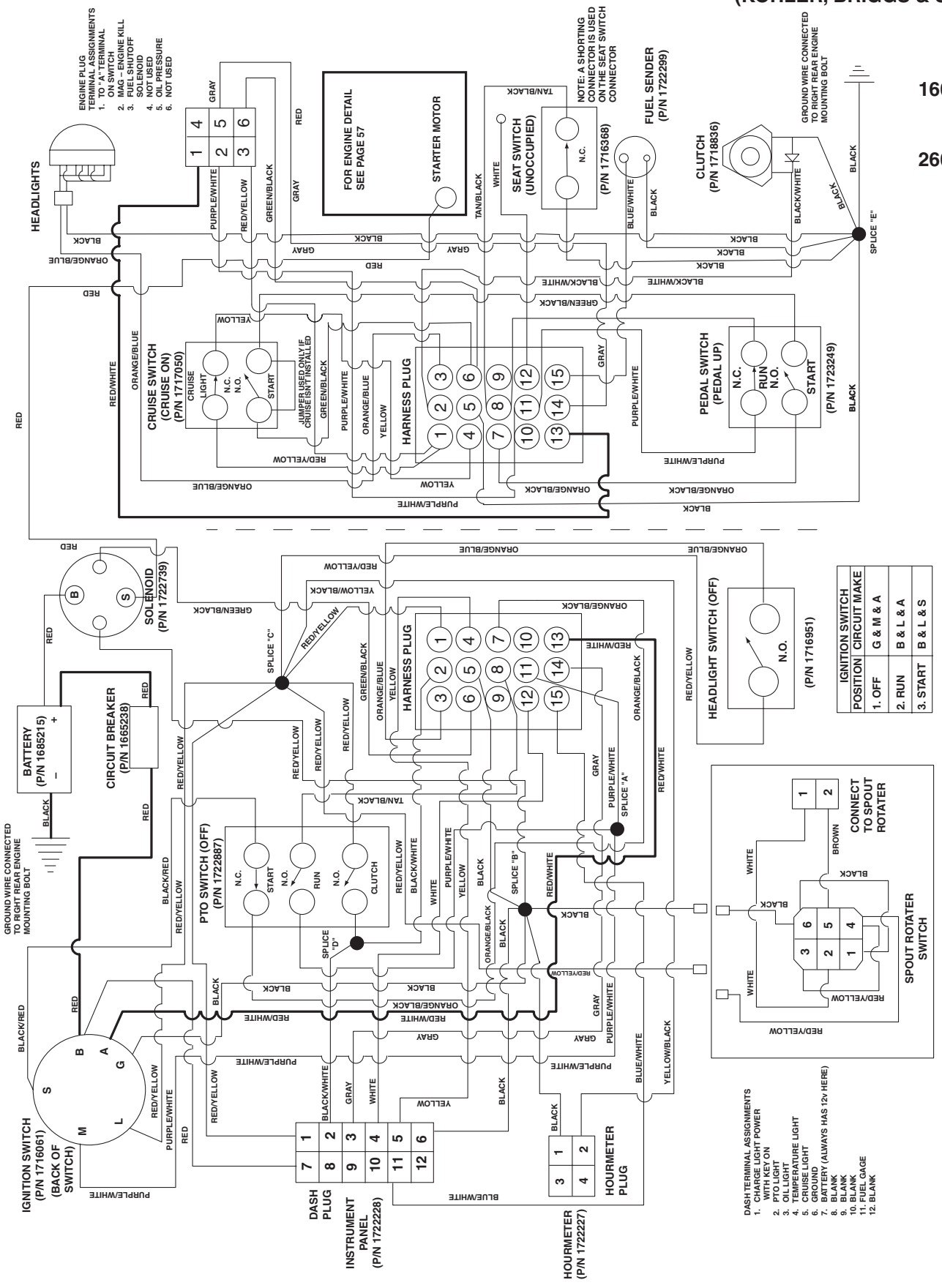
PTO CLUTCH CIRCUIT

BROADMOOR SERIES
(HONDA ENGINE)
1694277
2600 SERIES
1694281


ENGINE PLUG TERMINAL ASSIGNMENTS
1. TO "A" TERMINAL ON IGNITION SWITCH
2. MAG - ENGINE KILL
3. NOT USED
4. NOT USED
5. OIL PRESSURE
6. STARTER SOLENOID
HEADLIGHTS
ENGINE PLUG
FOR ENGINE DETAIL SEE PAGE 56
STARTER MOTOR
* NOTE THAT FUEL SHUTOFF SOLENOID GETS ITS CURRENT FROM THE STARTER SOLENOID DURING CRANKING FROM RED CONNECTOR TO LUG #5 AND ** RED AT #4 SUPPLIES CURRENT TO FUEL SHUTOFF SOLENOID DURING OPERATION
SEAT SWITCH (UNOCCUPIED)
NOTE: A SHORTING CONNECTOR IS USED ON THE SEAT SWITCH CONNECTOR
(P/N 1716368)
FUEL SENDER (P/N 1722299)
CLUTCH (P/N 1718836)
GROUND WIRE CONNECTED TO RIGHT REAR ENGINE MOUNTING BOLT
SPLICE "E"
CRUISE SWITCH (CRUISE ON) (P/N 1717050)
CRUISE LIGHT
N.C.
N.O.
START
JUMPER USED ONLY IF CRUISE ISN'T INSTALLED
HARNESS PLUG
PEDAL SWITCH (PEDAL UP)
RUN
(P/N 1723249)
BATTERY (P/N 1685215)
CIRCUIT BREAKER (P/N 1665238)
SPLICE "C"
SPLICE "A"
SPLICE "B"
SPLICE "D"
PTO SWITCH (OFF) (P/N 1722887)
HEADLIGHT SWITCH (OFF)
(P/N 1716951)
IGNITION SWITCH
POSITION | CIRCUIT MAKE
1. OFF | G & M & A
2. RUN | B & L & A
3. START | B & L & S
CONNECT TO SPOUT ROTATER
SPOUT ROTATER SWITCH
IGNITION SWITCH (P/N 1716061) (BACK OF SWITCH)
DASH PLUG
INSTRUMENT PANEL (P/N 1722228)
HOURMETER PLUG
HOURMETER (P/N 1722227)
DASH TERMINAL ASSIGNMENTS
1. CHARGE LIGHT POWER WITH KEY ON
2. PTO LIGHT
3. OIL LIGHT
4. TEMPERATURE LIGHT
5. CRUISE LIGHT
6. GROUND
7. BATTERY (ALWAYS HAS 12v HERE)
8. BLANK
9. BLANK
10. BLANK
11. FUEL GAGE
12. BLANK

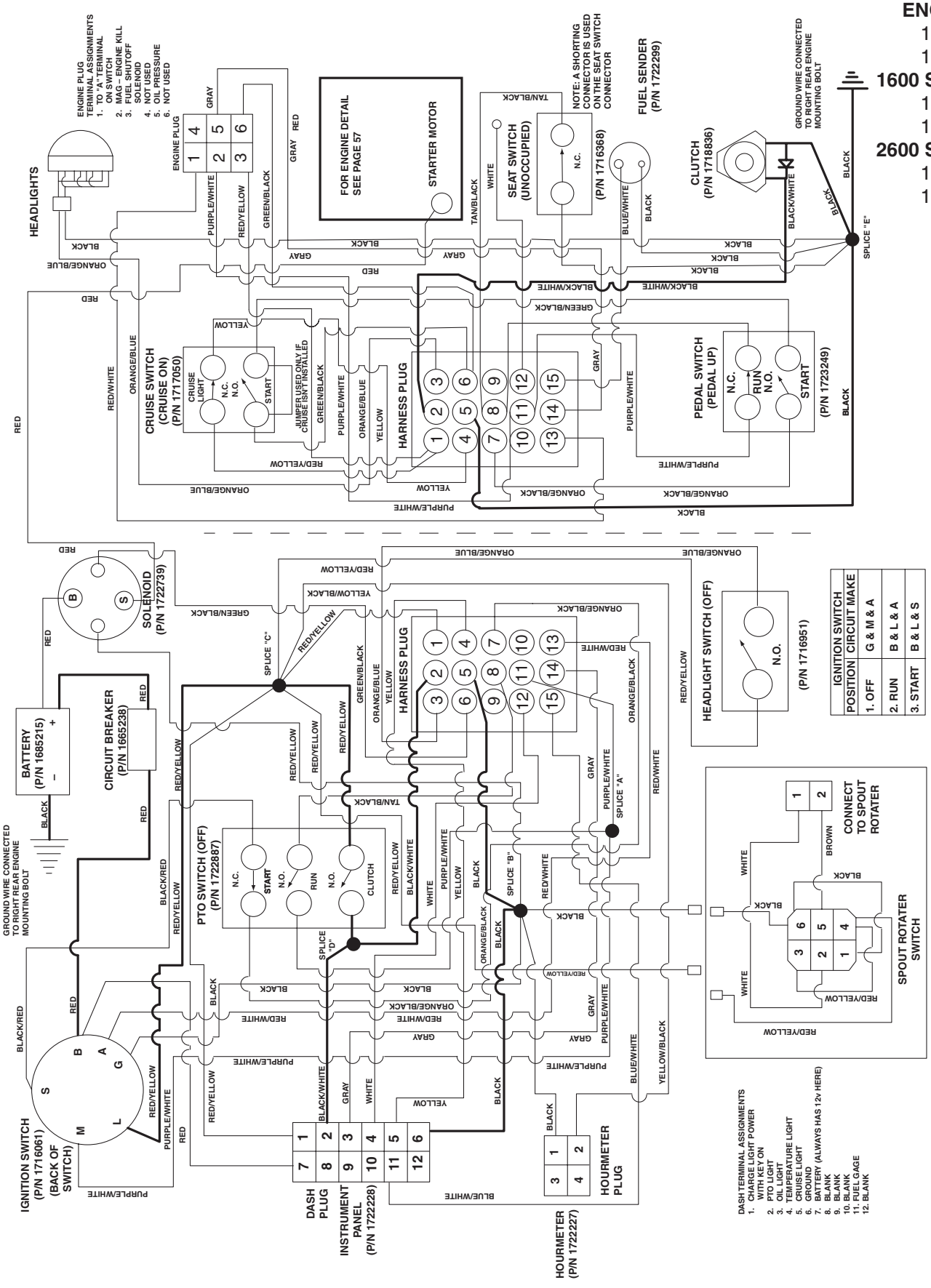
CHARGING CIRCUIT

BROADMOOR SERIES
(KOHLER, BRIGGS & STRATTON ENGINES)
1694009
1694010
1600 SERIES
1694018
1694019
2600 SERIES
1694027
1694028



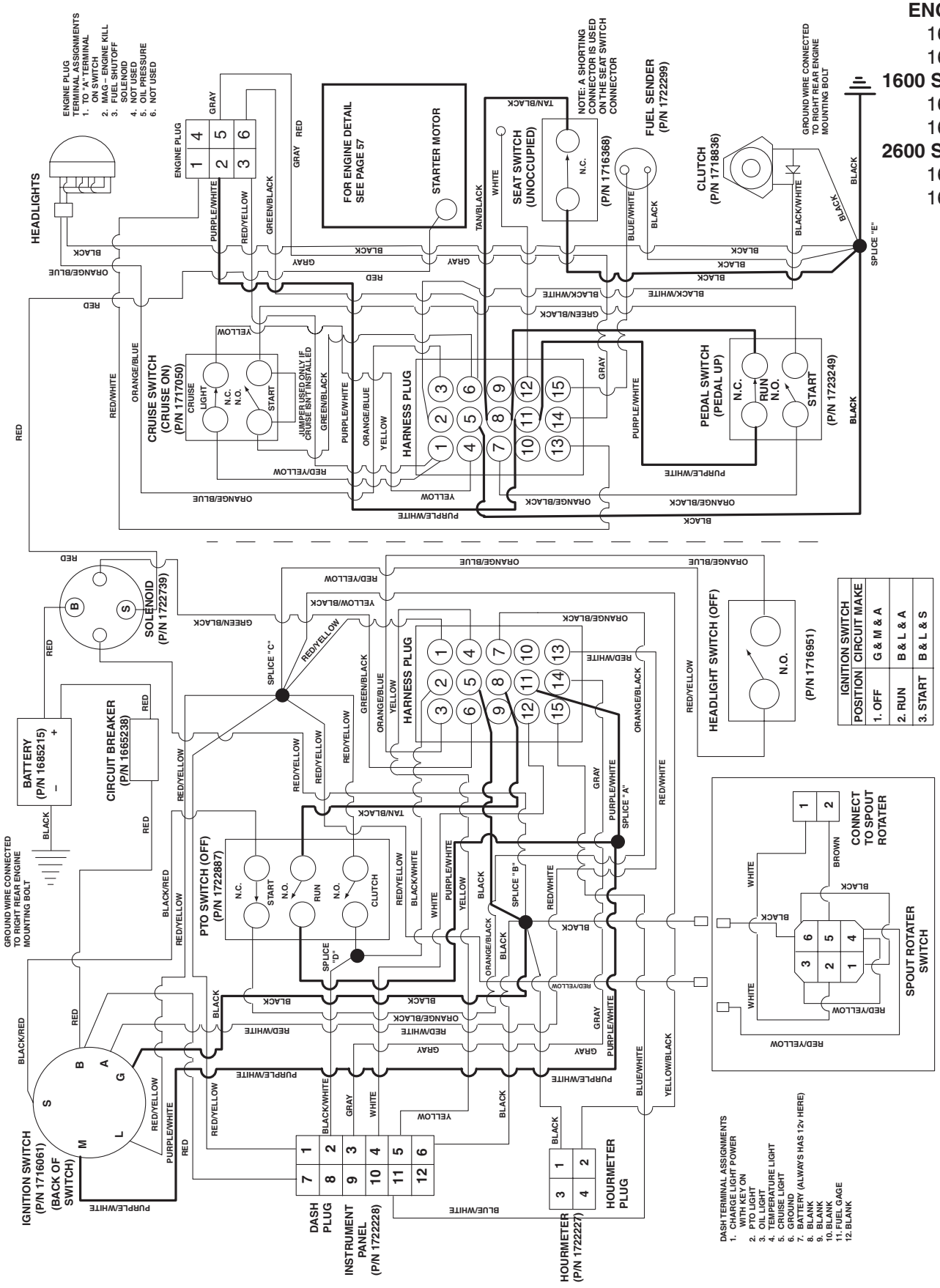
PTO CLUTCH CIRCUIT

BROADMOOR SERIES
(KOHLER, BRIGGS & STRATTON ENGINES)
1694009
1694010
1600 SERIES
1694018
1694019
2600 SERIES
1694027
1694028



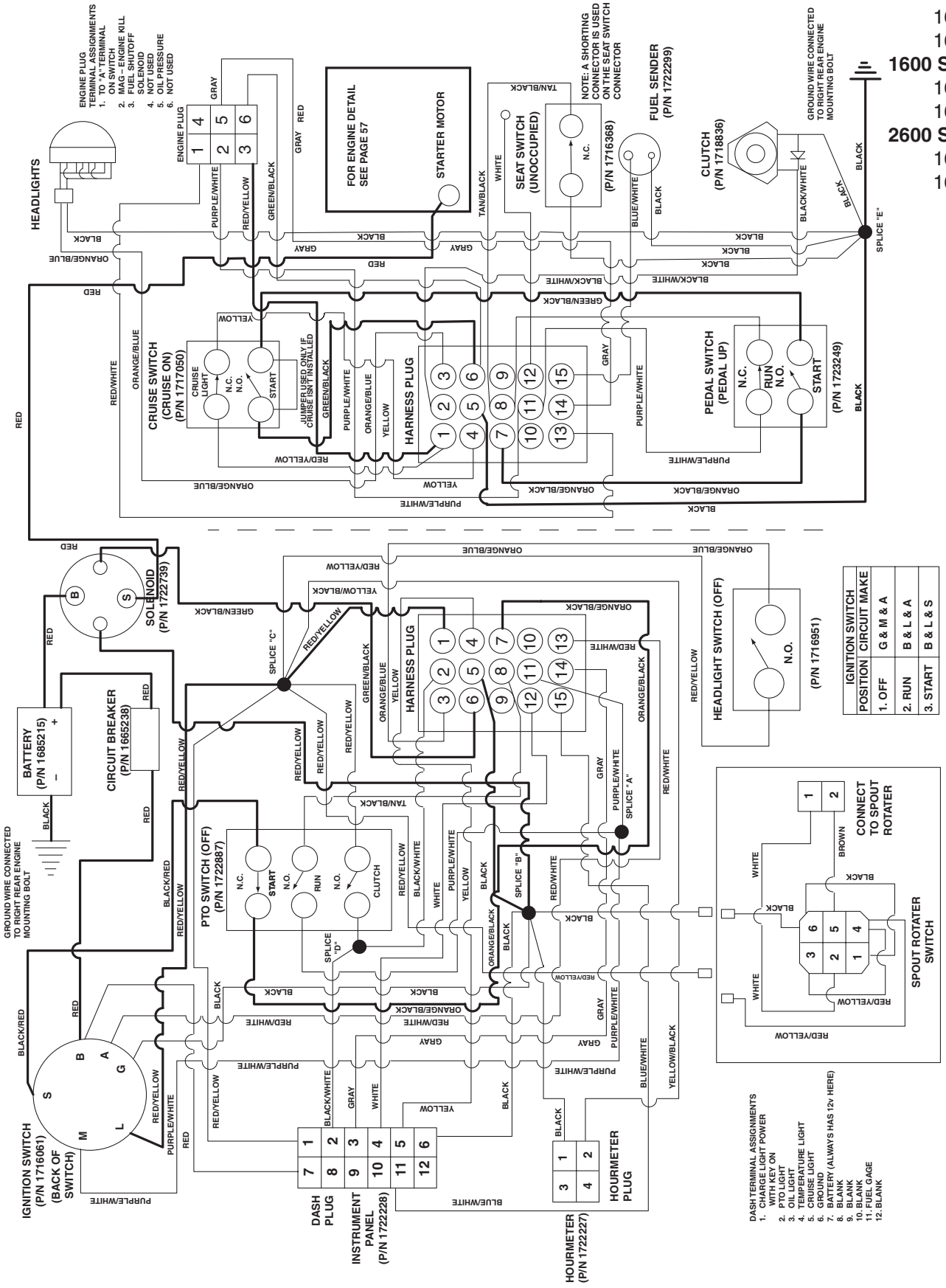
IGNITION/SHUTDOWN CIRCUIT

BROADMOOR SERIES
(KOHLER, BRIGGS & STRATTON ENGINES)
1694009
1694010
1600 SERIES
1694018
1694019
2600 SERIES
1694027
1694028

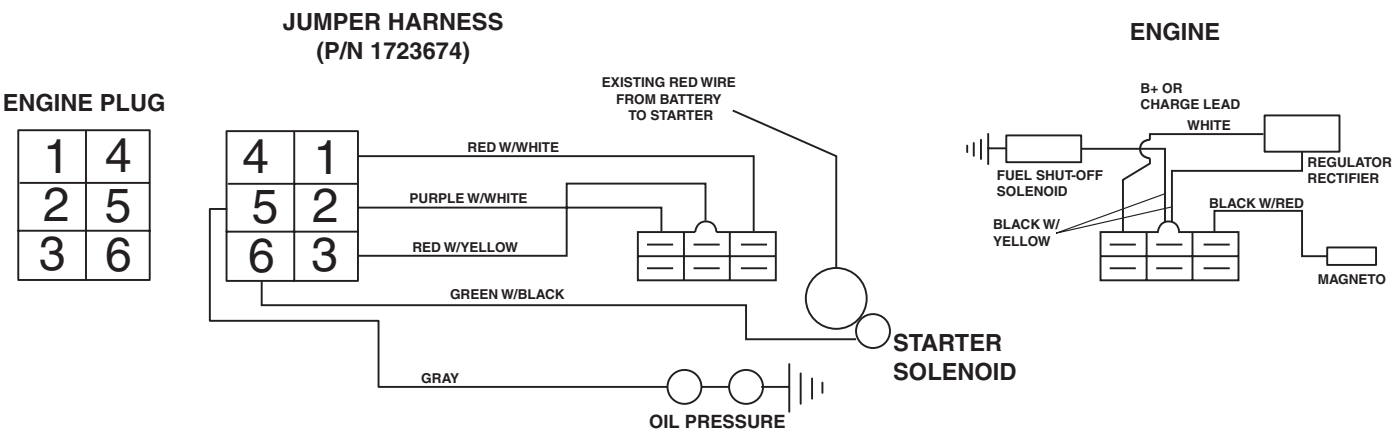


CRANKING CIRCUIT

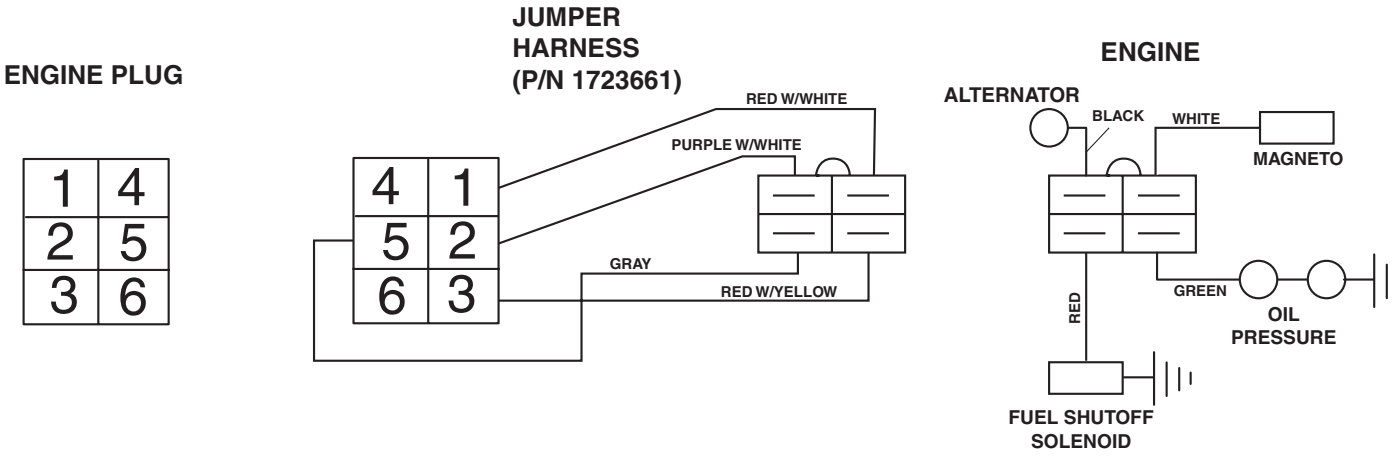
BROADMOOR SERIES
(KOHLER, BRIGGS & STRATTON ENGINES)
1694009
1694010
1600 SERIES
1694018
1694019
2600 SERIES
1694027
1694028



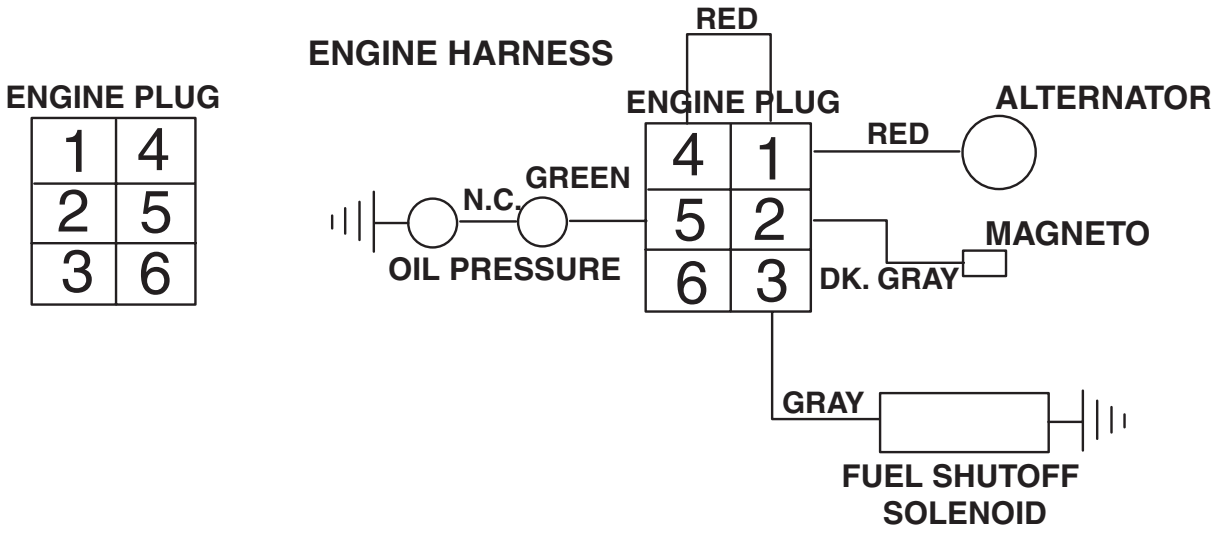
HONDA ENGINE DETAIL



KOHLER ENGINE DETAIL

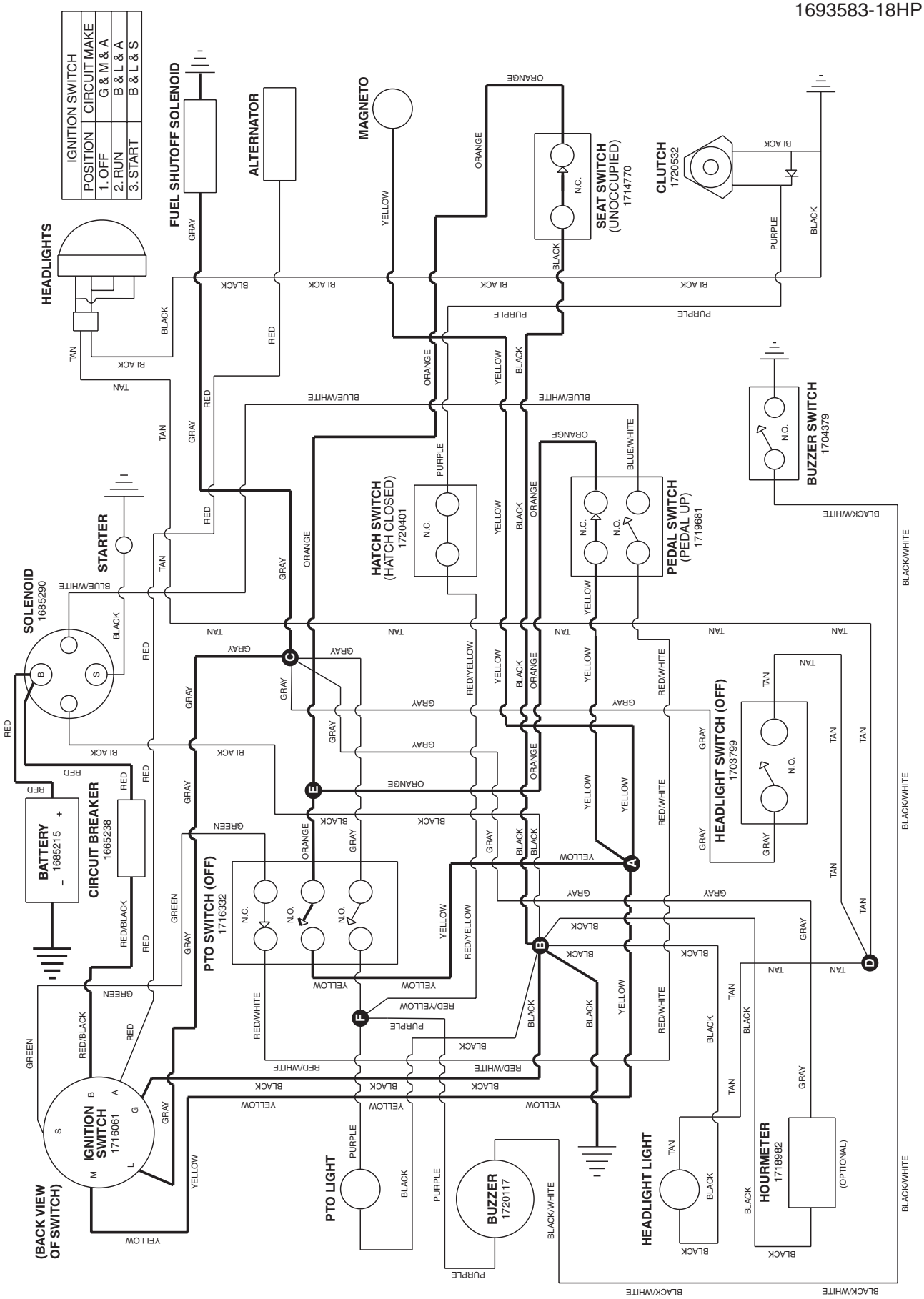


BRIGGS & STRATTON ENGINE DETAIL



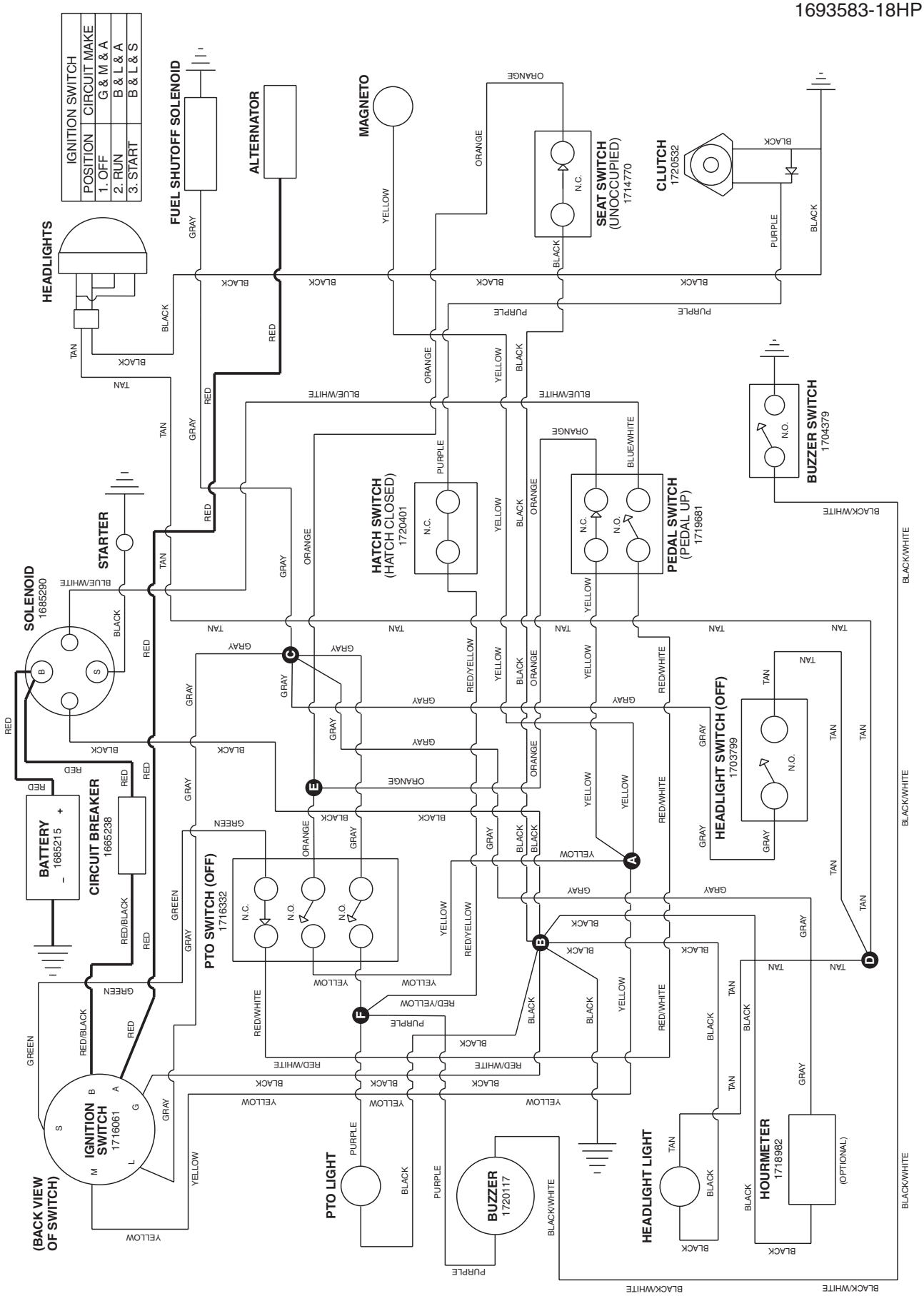
IGNITION CIRCUIT/SHUTDOWN CIRCUIT

BARON SERIES
1693583-18HP



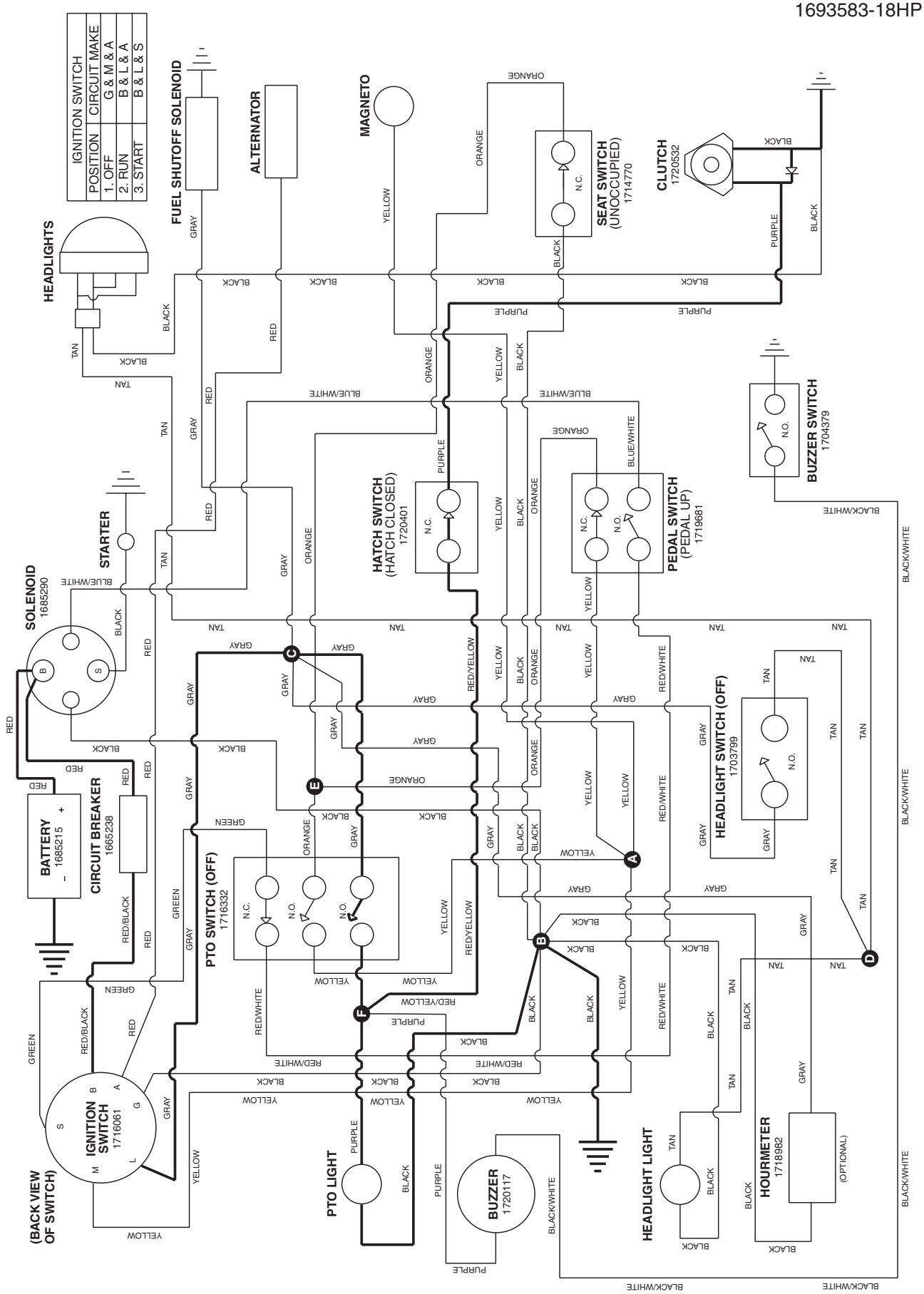
CHARGING CIRCUIT

BARON SERIES
1693583-18HP



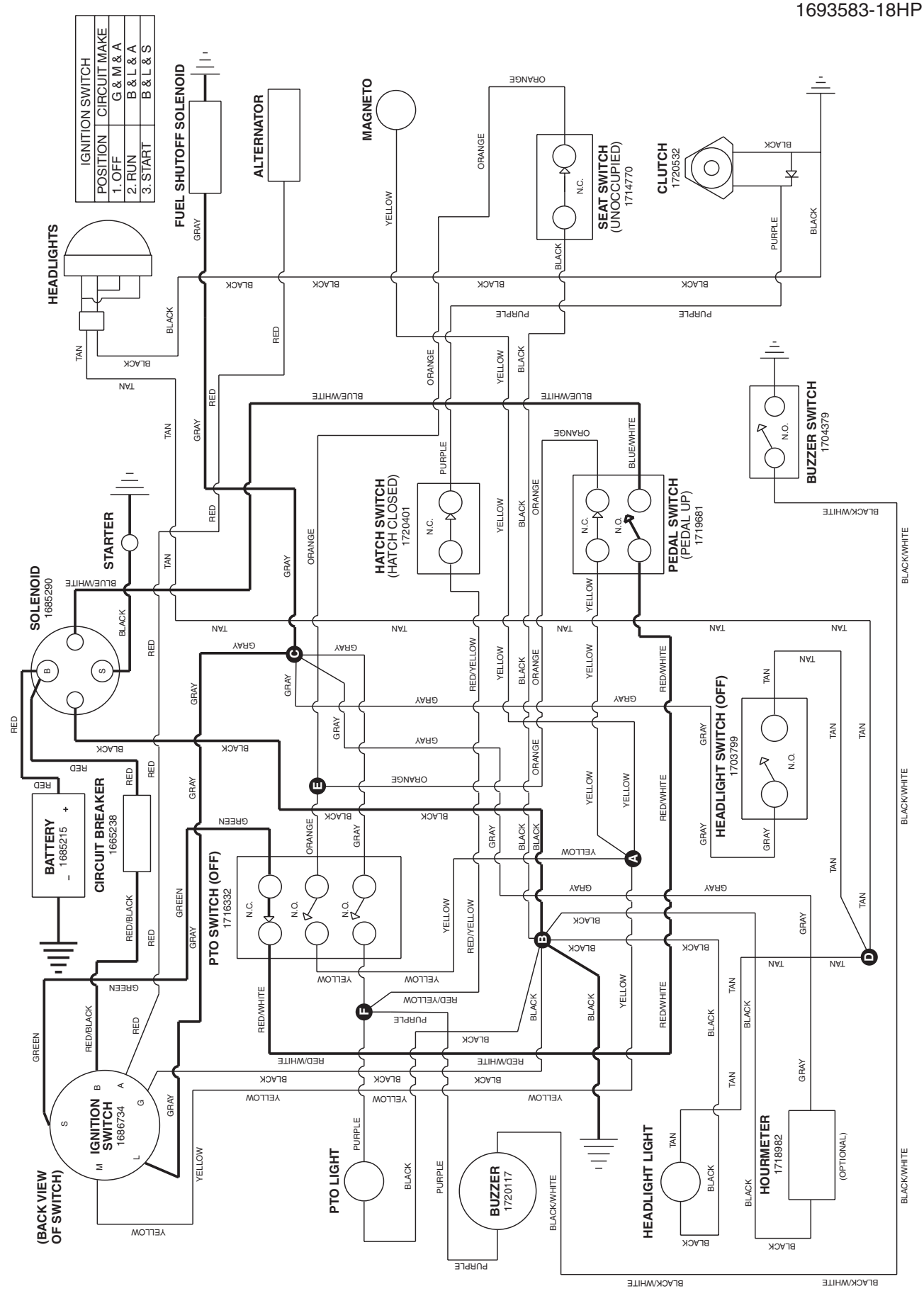
PTO CLUTCH CIRCUIT

BARON SERIES
1693583-18HP



CRANKING CIRCUIT

BARON SERIES
1693583-18HP

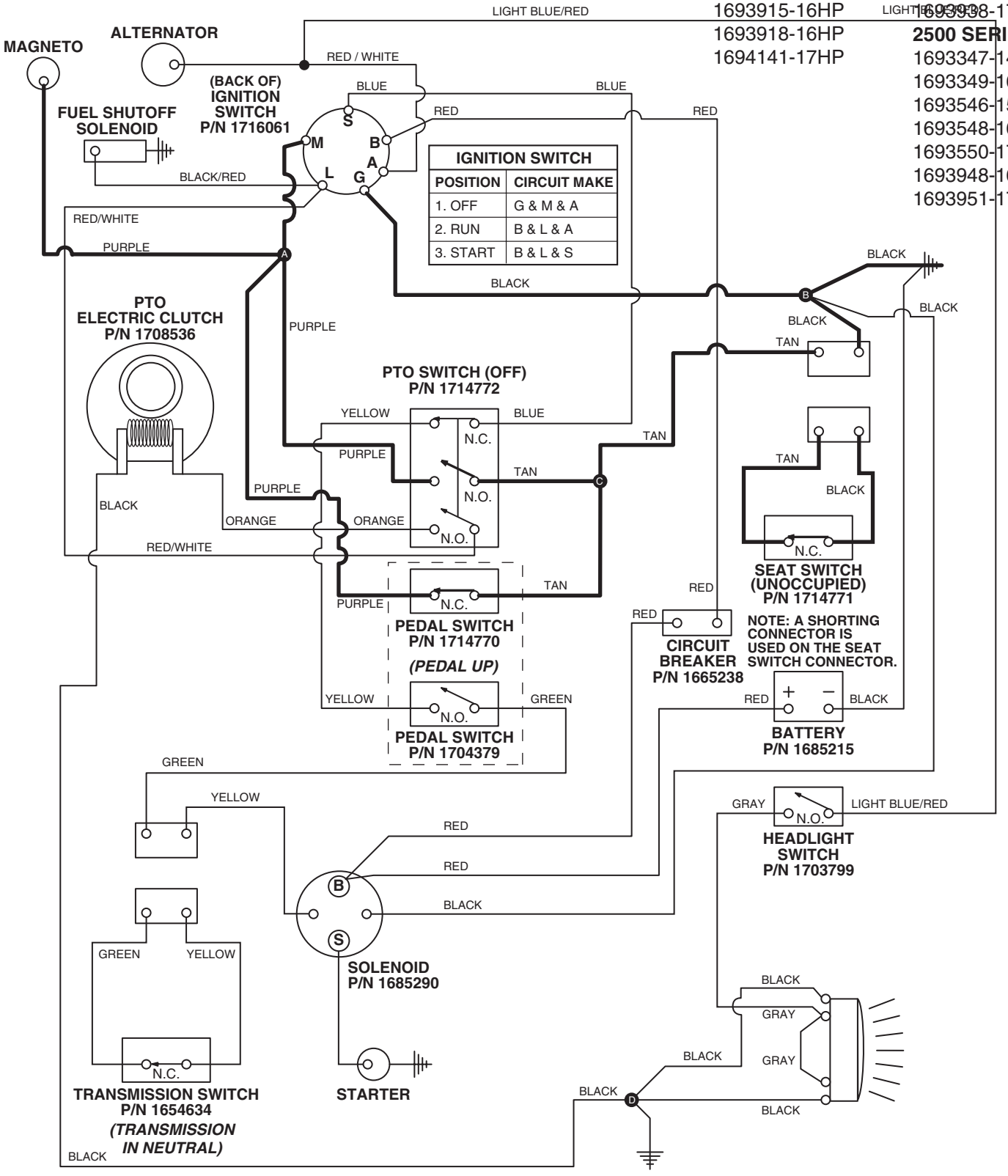


IGNITION CIRCUIT/SHUTDOWN CIRCUIT

(HYDRO MODELS)
REGENT SERIES
1693325-14HP
1693329-16HP
1693528-15HP
1693530-16HP
1693532-17HP
1693915-16HP
1693918-16HP
1694141-17HP

500 SERIES
1693341-14HP
1693343-16HP
1693540-15HP
1693542-16HP
1693544-17HP
1693935-16HP
1693938-17HP

2500 SERIES
1693347-14HP
1693349-16HP
1693546-15HP
1693548-16HP
1693550-17HP
1693948-16HP
1693951-17HP

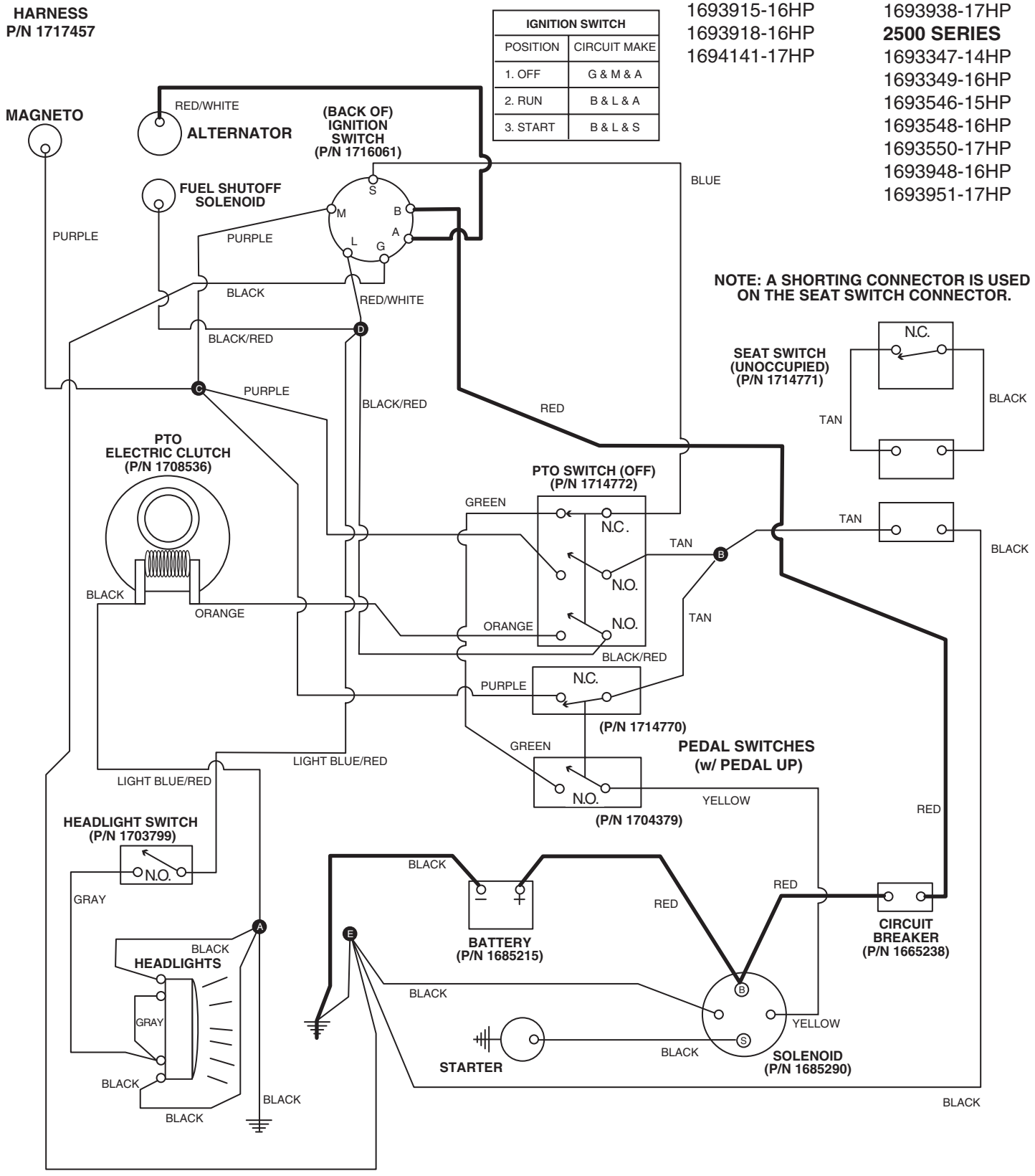


CHARGING CIRCUIT

(HYDRO MODELS)
REGENT SERIES
1693325-14HP
1693329-16HP
1693528-15HP
1693530-16HP
1693532-17HP
1693915-16HP
1693918-16HP
1694141-17HP

500 SERIES
1693341-14HP
1693343-16HP
1693540-15HP
1693542-16HP
1693544-17HP
1693935-16HP
1693938-17HP

2500 SERIES
1693347-14HP
1693349-16HP
1693546-15HP
1693548-16HP
1693550-17HP
1693948-16HP
1693951-17HP

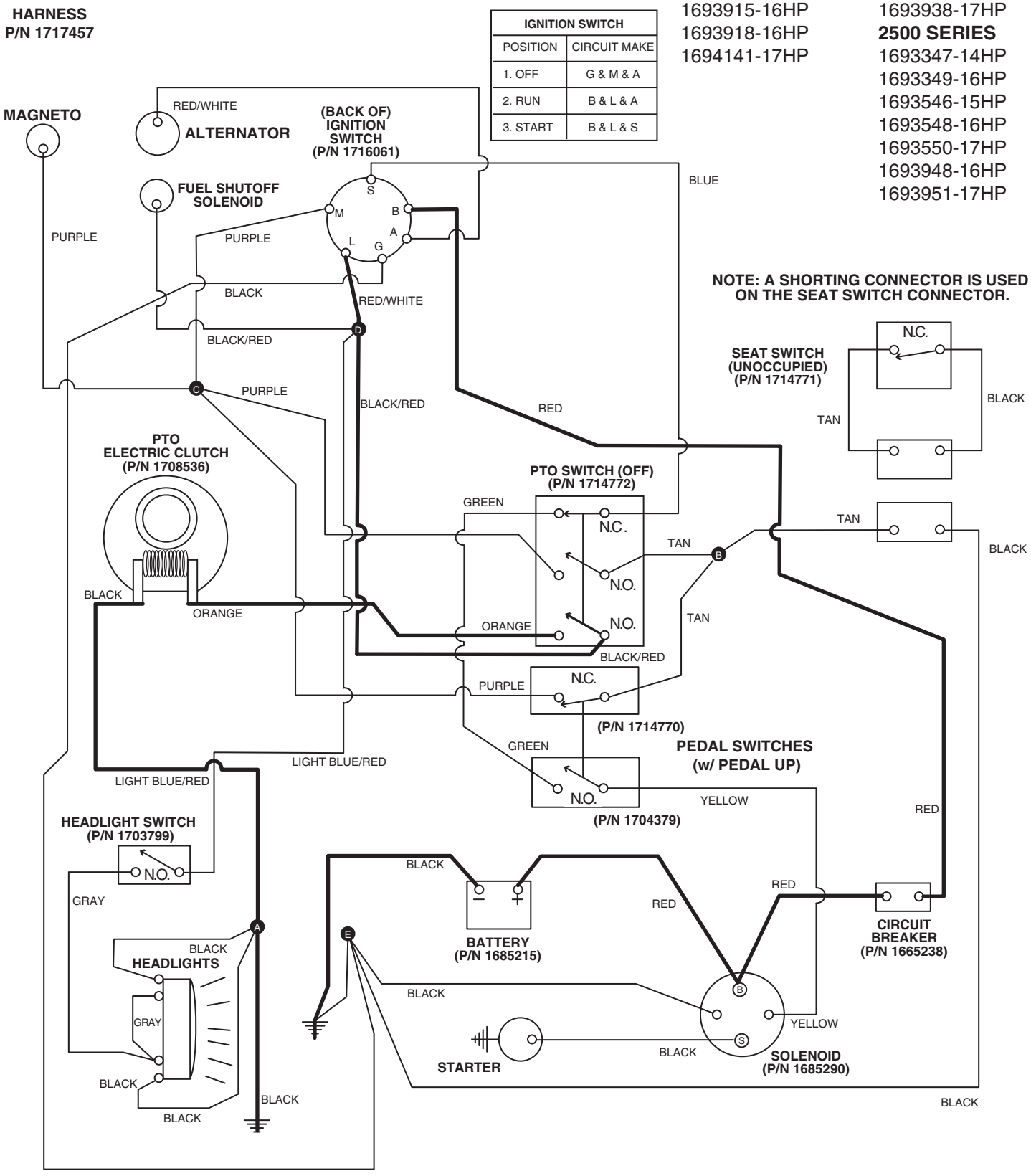


PTO CLUTCH CIRCUIT

(HYDRO MODELS)
REGENT SERIES
1693325-14HP
1693329-16HP
1693528-15HP
1693530-16HP
1693532-17HP
1693915-16HP
1693918-16HP
1694141-17HP

500 SERIES
1693341-14HP
1693343-16HP
1693540-15HP
1693542-16HP
1693544-17HP
1693935-16HP
1693938-17HP

2500 SERIES
1693347-14HP
1693349-16HP
1693546-15HP
1693548-16HP
1693550-17HP
1693948-16HP
1693951-17HP

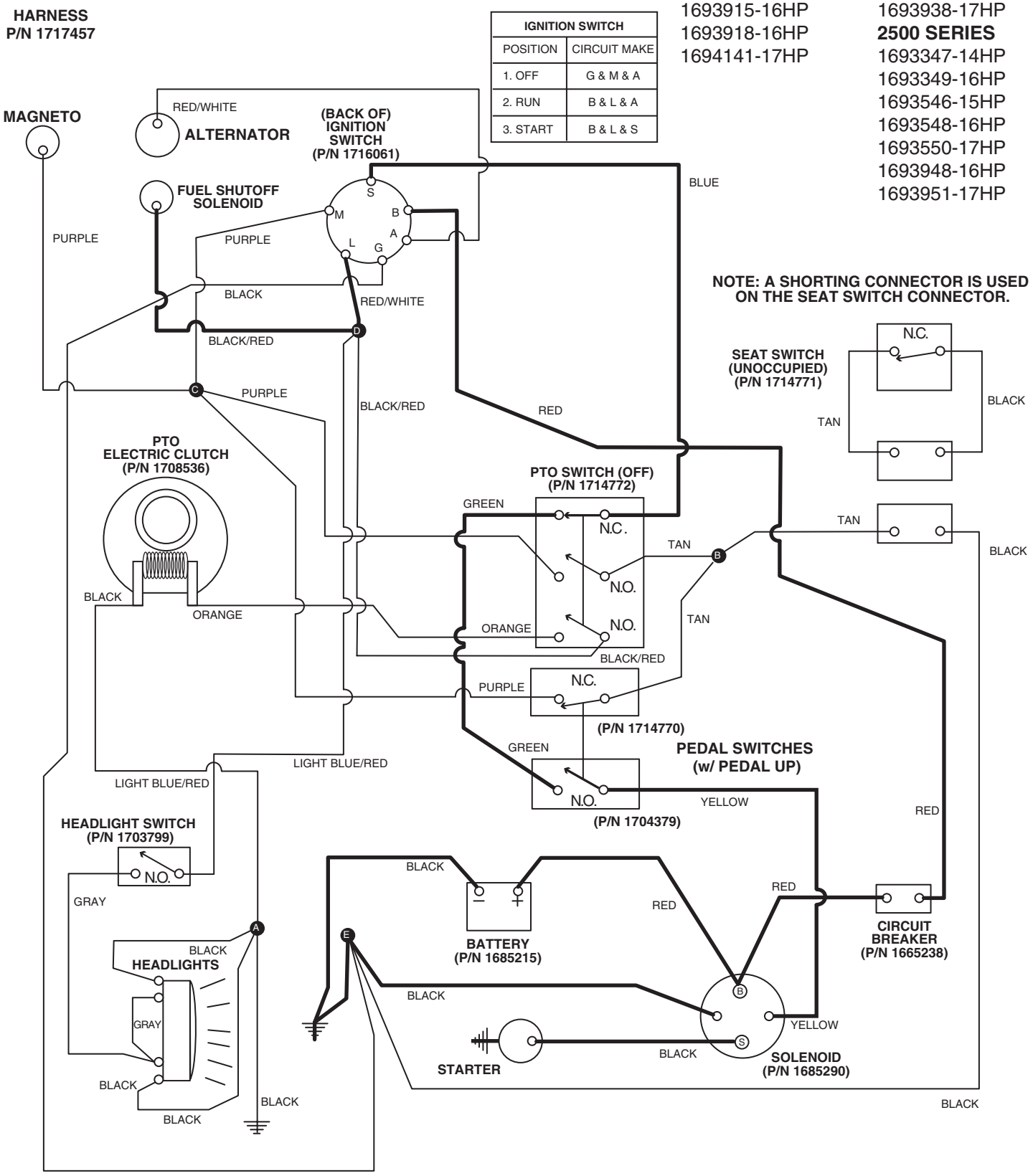


CRANKING CIRCUIT

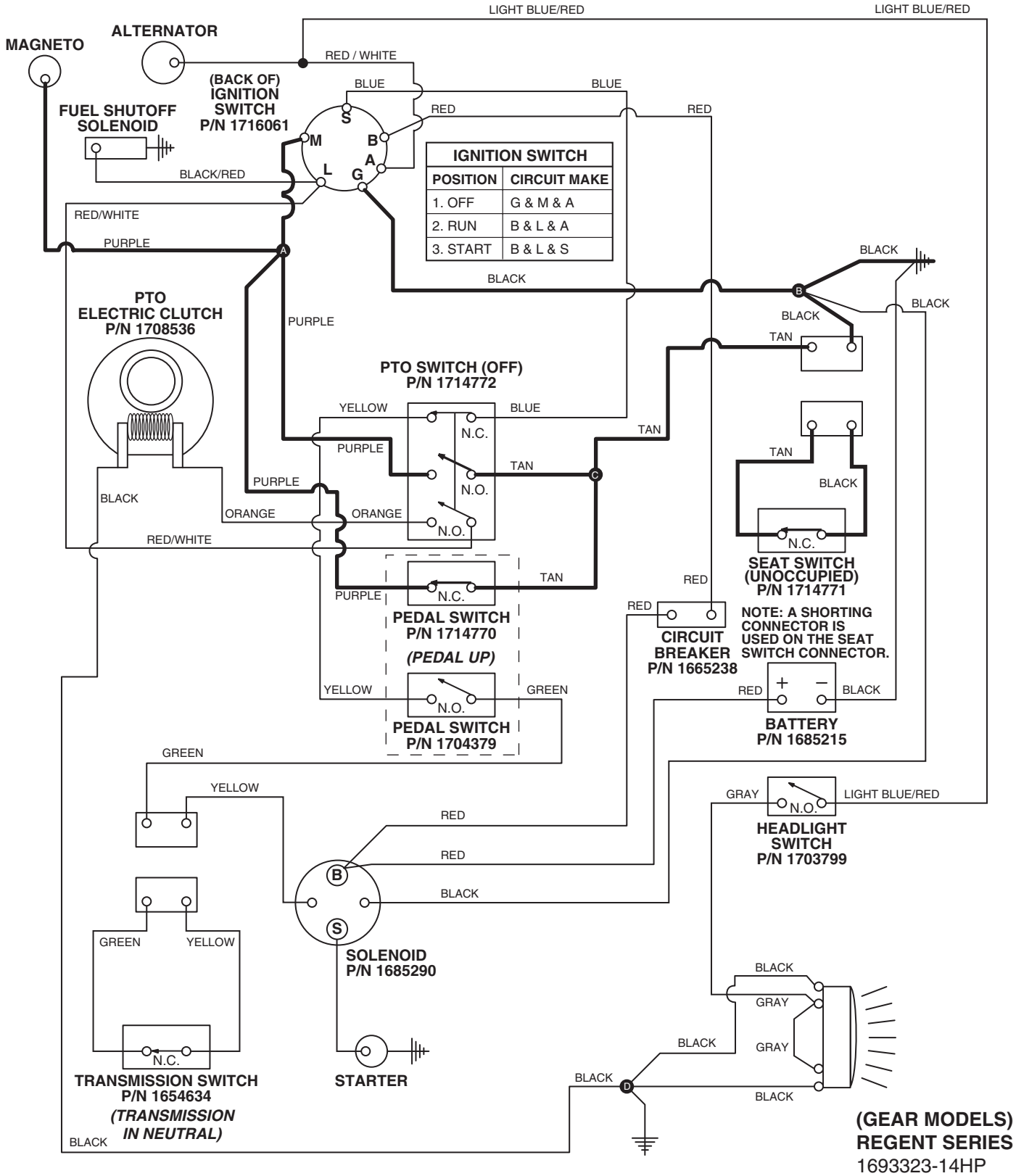
(HYDRO MODELS)
REGENT SERIES
1693325-14HP
1693329-16HP
1693528-15HP
1693530-16HP
1693532-17HP
1693915-16HP
1693918-16HP
1694141-17HP

500 SERIES
1693341-14HP
1693343-16HP
1693540-15HP
1693542-16HP
1693544-17HP
1693935-16HP
1693938-17HP

2500 SERIES
1693347-14HP
1693349-16HP
1693546-15HP
1693548-16HP
1693550-17HP
1693948-16HP
1693951-17HP

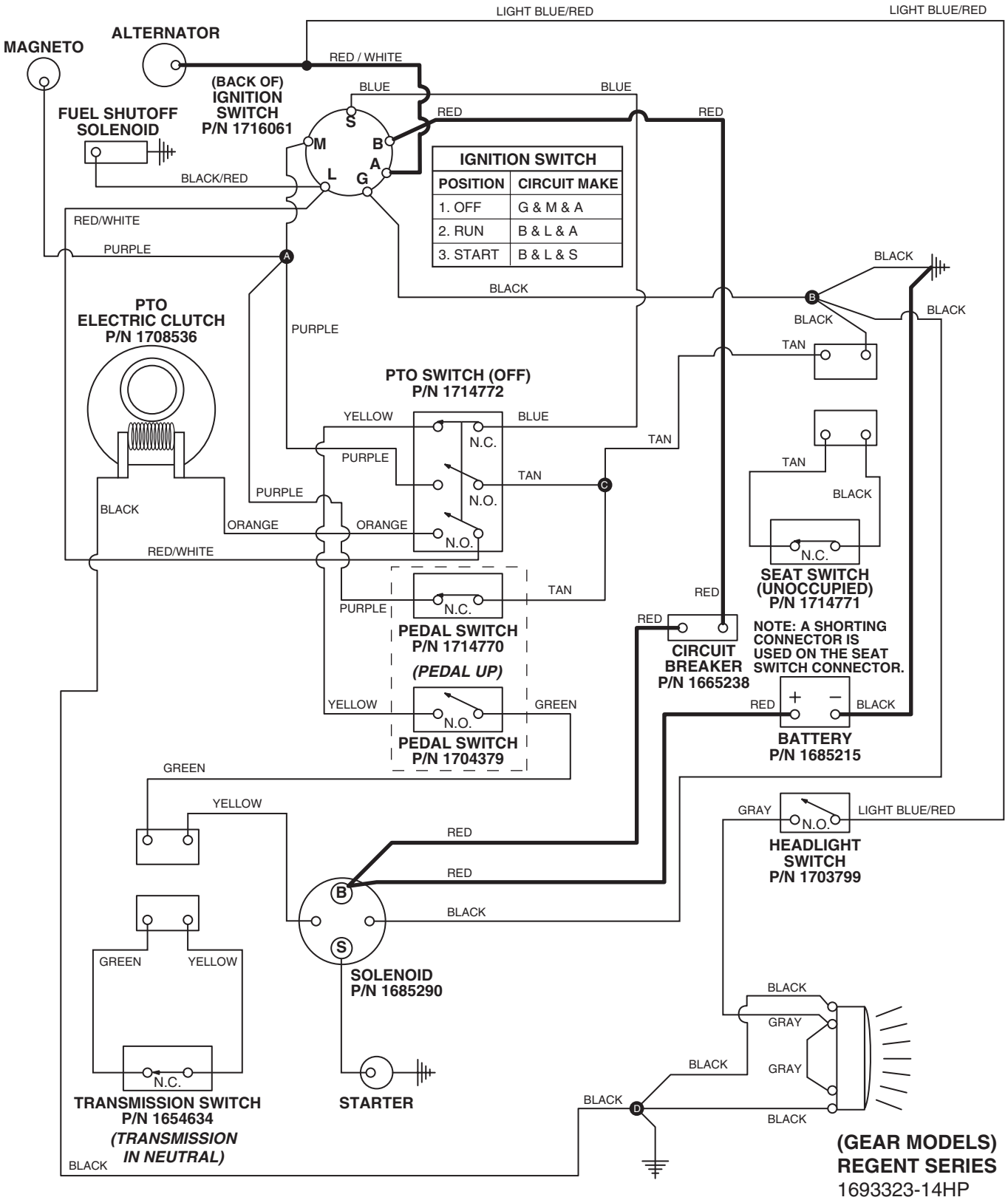


IGNITION CIRCUIT/SHUTDOWN CIRCUIT

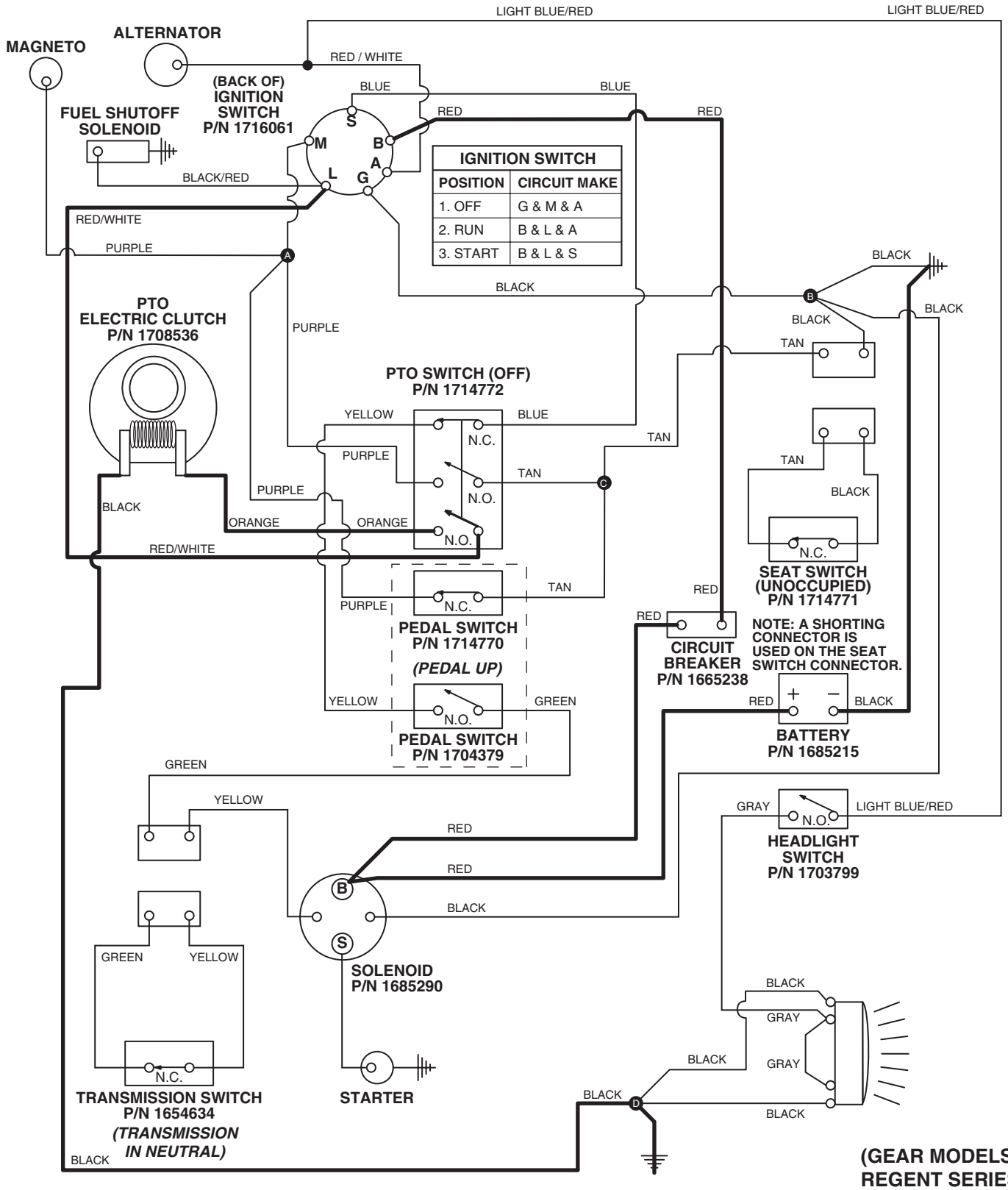


(GEAR MODELS)
REGENT SERIES
1693323-14HP
500 SERIES
1693339-14HP
2500 SERIES
1693345-14HP

CHARGING CIRCUIT

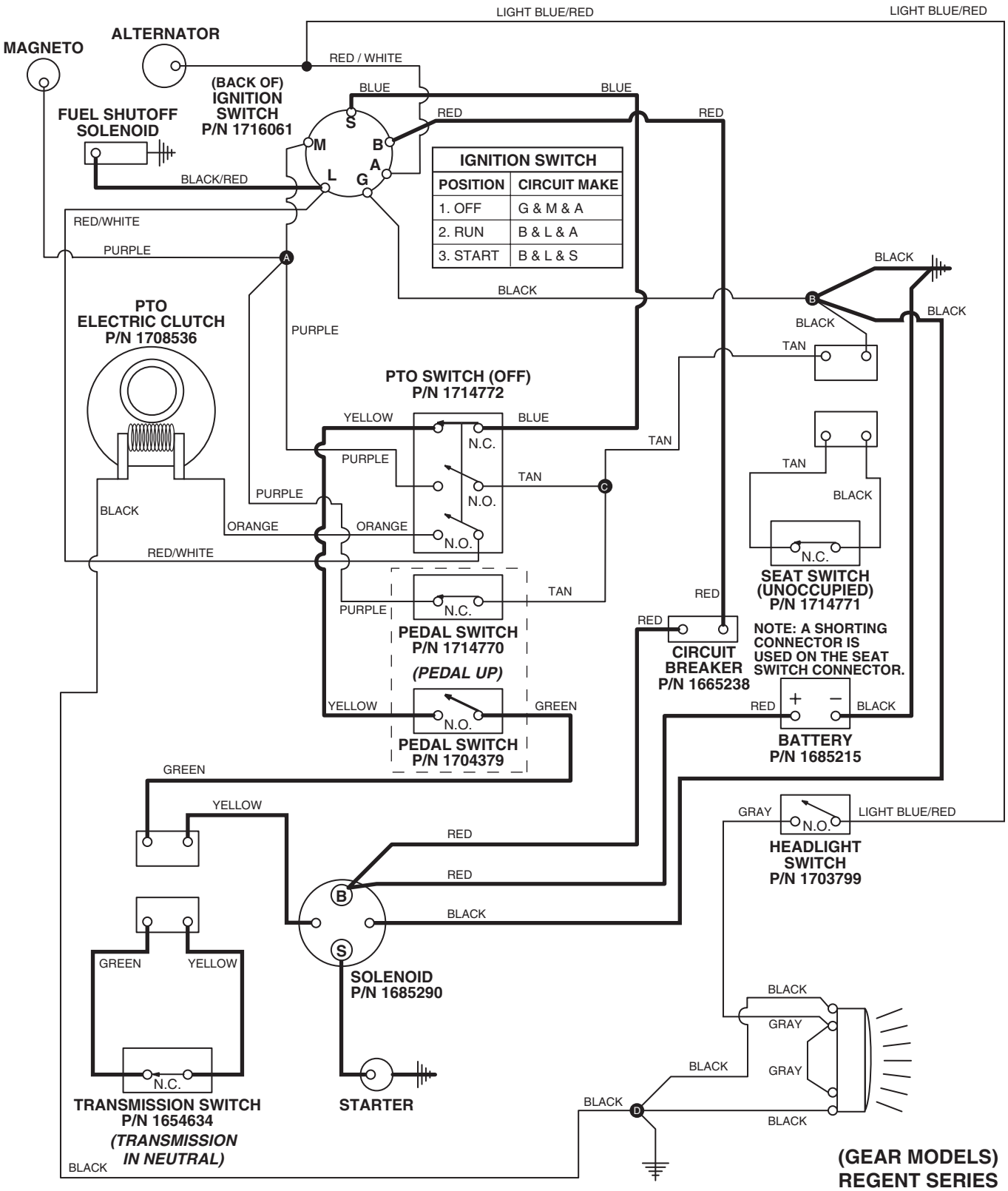


PTO CLUTCH CIRCUIT



(GEAR MODELS)
REGENT SERIES
1693323-14HP
500 SERIES
1693339-14HP
2500 SERIES
1693345-14HP

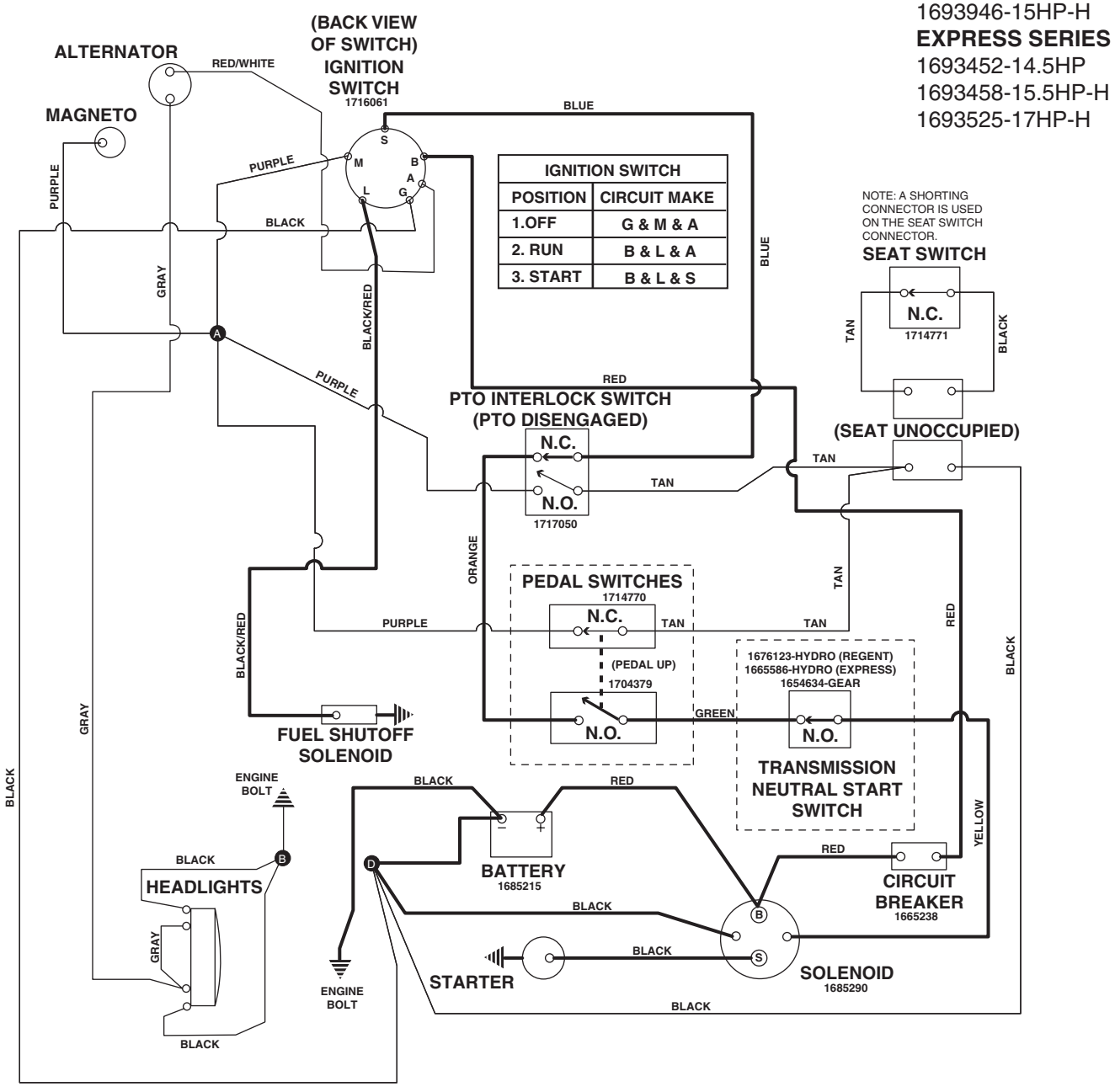
CRANKING CIRCUIT



(GEAR MODELS)
REGENT SERIES
1693323-14HP
500 SERIES
1693339-14HP
2500 SERIES
1693345-14HP

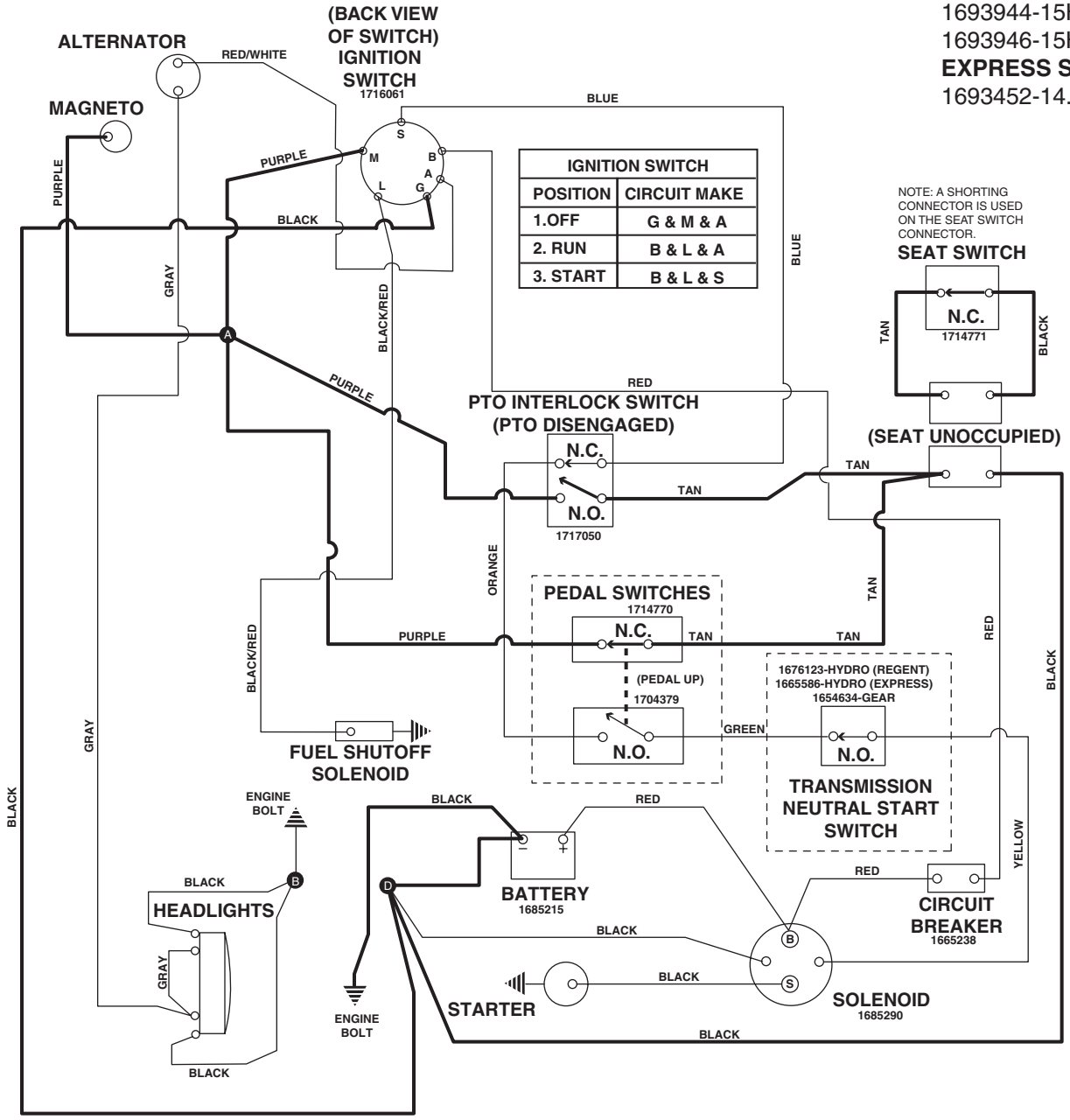
CRANKING CIRCUIT

REGENT SERIES
1693911-15HP
1693913-15HP-H
500 SERIES
1693931-15HP
1693933-15HP-H
2500 SERIES
1693944-15HP
1693946-15HP-H
EXPRESS SERIES
1693452-14.5HP
1693458-15.5HP-H
1693525-17HP-H



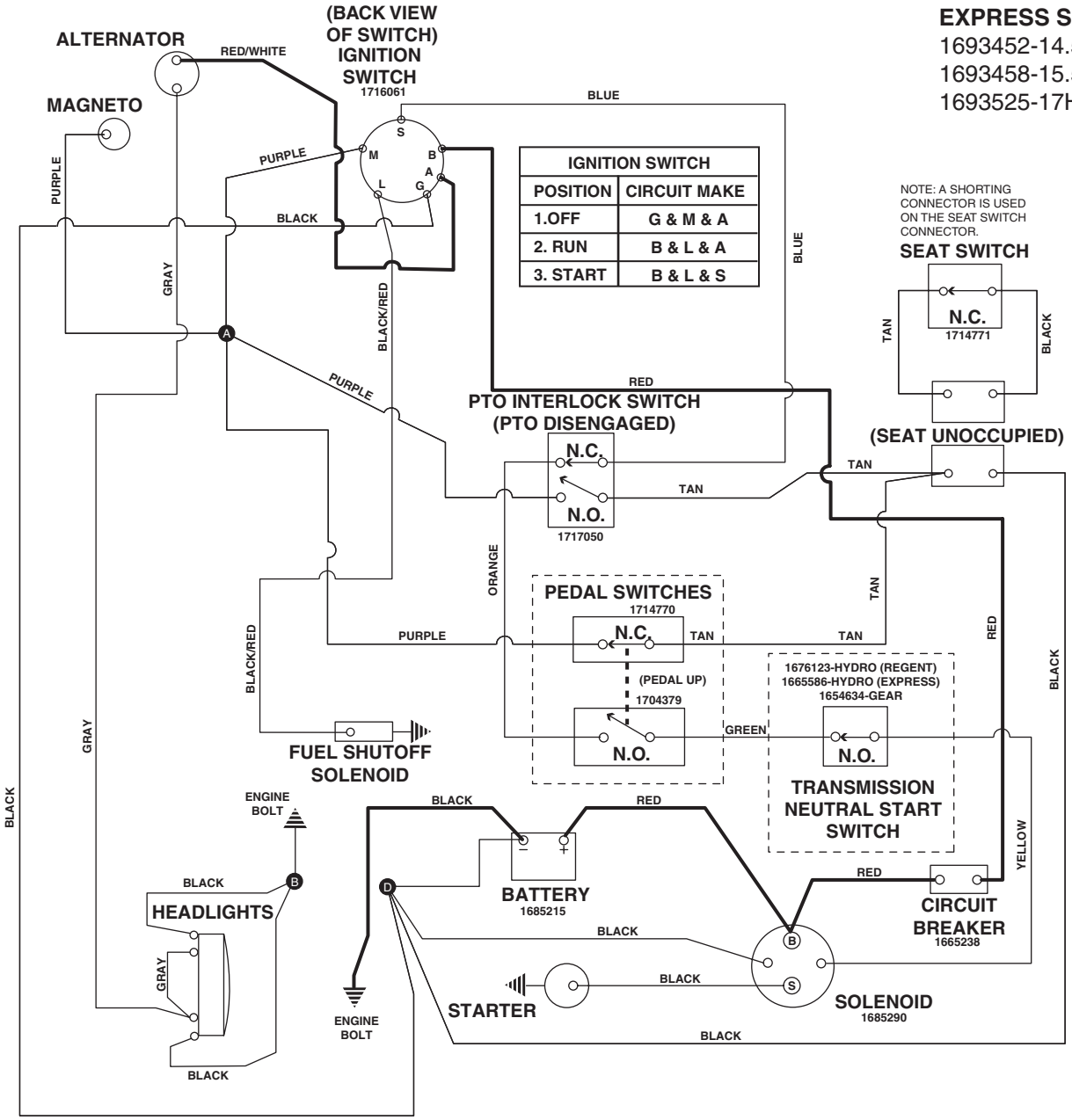
IGNITION CIRCUIT/SHUTDOWN CIRCUIT

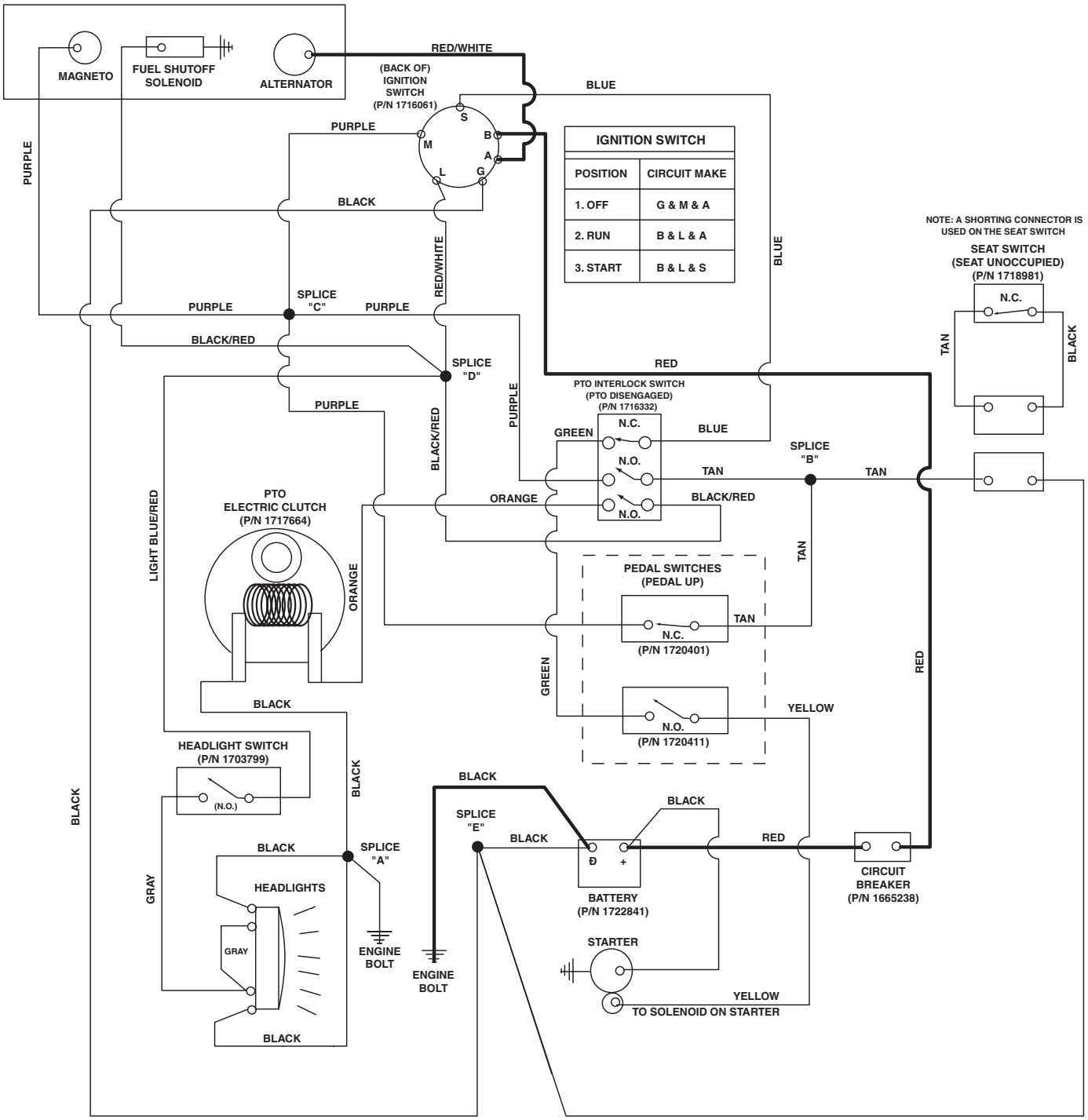
REGENT SERIES
1693911-15HP
1693913-15HP-H
500 SERIES
1693931-15HP
1693933-15HP-H
2500 SERIES
1693944-15HP
1693946-15HP-H
EXPRESS SERIES
1693452-14.5HP



CHARGING CIRCUIT

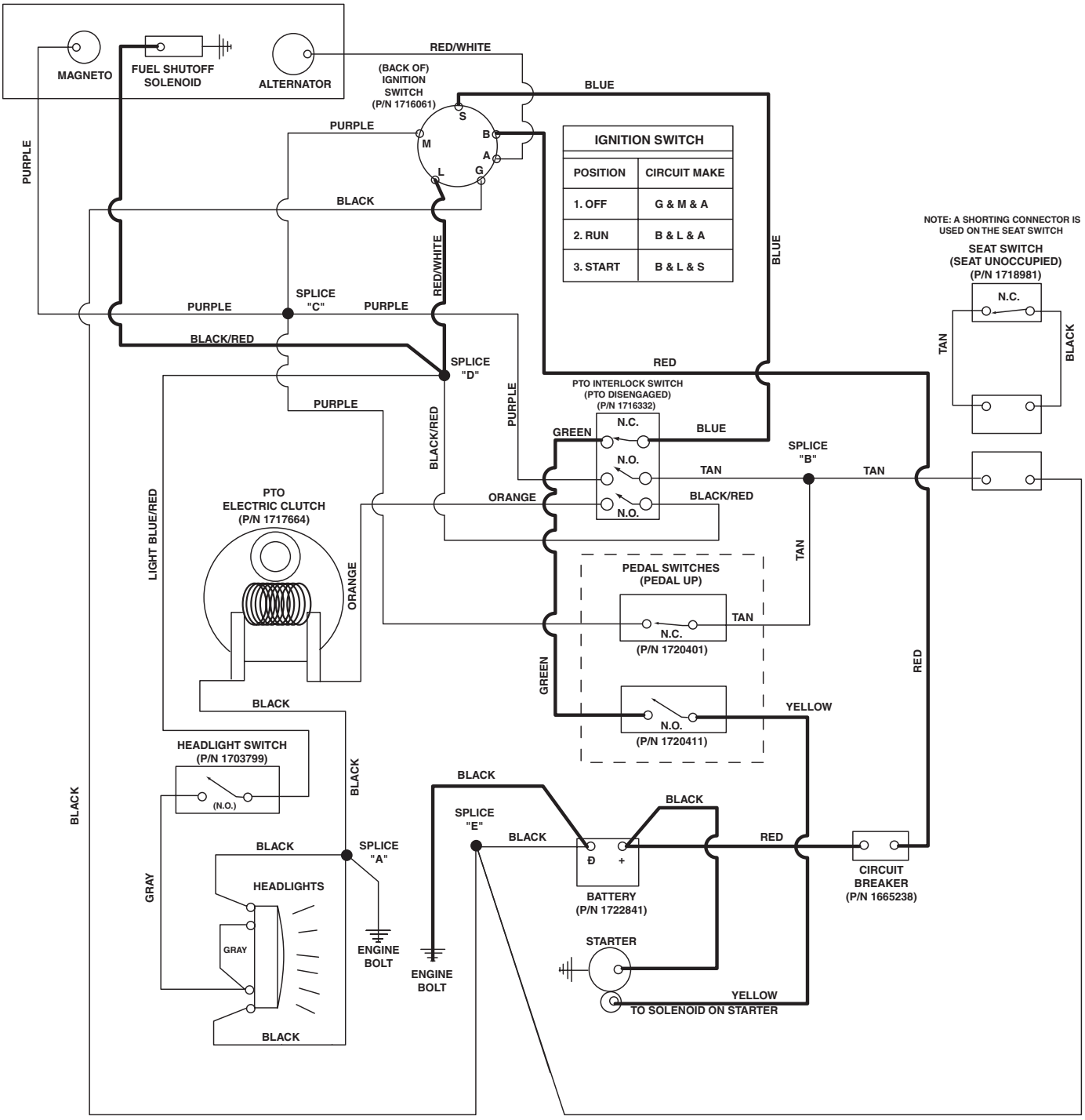
REGENT SERIES
1693911-15HP
1693913-15HP-H
500 SERIES
1693931-15HP
1693933-15HP-H
2500 SERIES
1693944-15HP
1693946-15HP-H
EXPRESS SERIES
1693452-14.5HP
1693458-15.5HP-H
1693525-17HP-H




MAGNETO
FUEL SHUTOFF SOLENOID
ALTERNATOR
RED/WHITE
(BACK OF) IGNITION SWITCH (P/N 1716061)
S
B
A
G
L
M
BLUE
PURPLE
BLACK
RED/WHITE
BLUE
IGNITION SWITCH
POSITION
CIRCUIT MAKE
1. OFF
G & M & A
2. RUN
B & L & A
3. START
B & L & S
NOTE: A SHORTING CONNECTOR IS USED ON THE SEAT SWITCH
SEAT SWITCH (SEAT UNOCCUPIED) (P/N 1718981)
N.C.
TAN
BLACK
SPLICE "C"
PURPLE
BLACK/RED
SPLICE "D"
RED
PTO INTERLOCK SWITCH (PTO DISENGAGED) (P/N 1716332)
N.C.
N.O.
N.O.
GREEN
BLUE
TAN
SPLICE "B"
TAN
BLACK/RED
ORANGE
PTO ELECTRIC CLUTCH (P/N 1717664)
LIGHT BLUE/RED
ORANGE
PEDAL SWITCHES (PEDAL UP)
N.C.
(P/N 1720401)
N.O.
(P/N 1720411)
TAN
GREEN
YELLOW
RED
HEADLIGHT SWITCH (P/N 1703799)
(N.O.)
BLACK
SPLICE "E"
SPLICE "A"
HEADLIGHTS
GRAY
ENGINE BOLT
ENGINE BOLT
BATTERY (P/N 1722841)
CIRCUIT BREAKER (P/N 1665238)
STARTER
YELLOW
TO SOLENOID ON STARTER

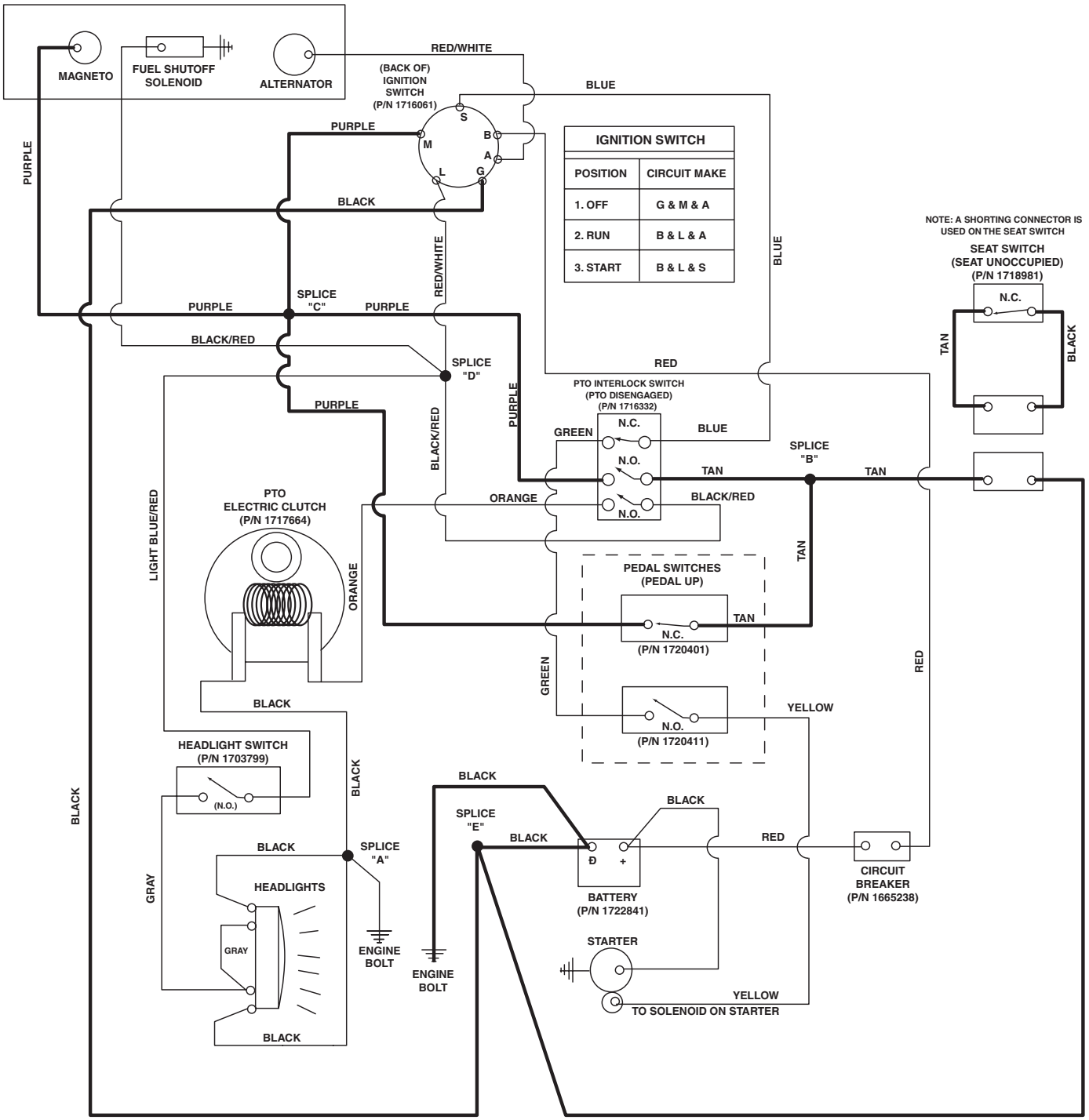
CRANKING CIRCUIT

(HONDA ENGINE)
REGENT SERIES
1694200-16HP



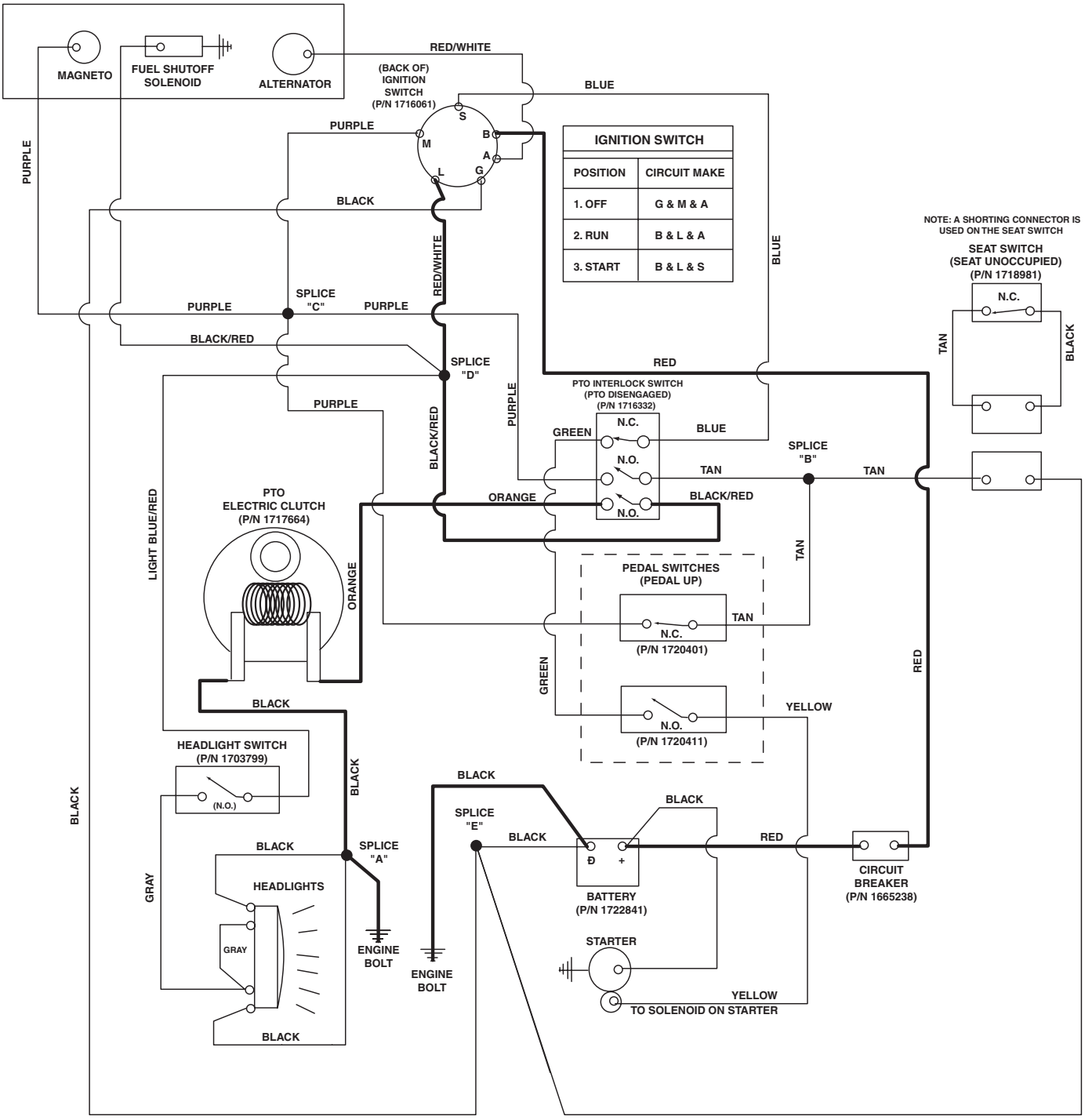
IGNITION/SHUTDOWN CIRCUIT

(HONDA ENGINE)
REGENT SERIES
1694200-16HP

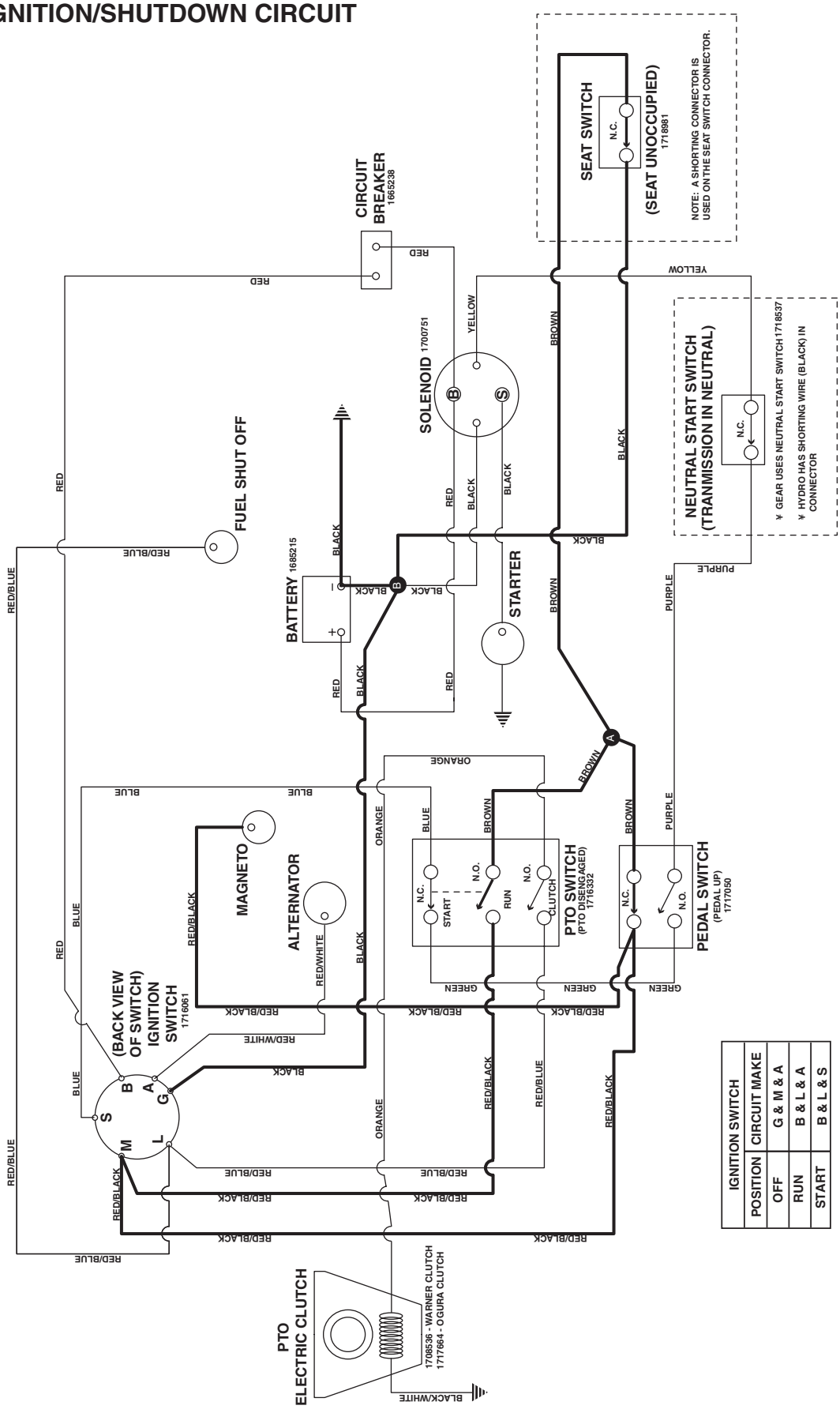


PTO CLUTCH CIRCUIT

(HONDA ENGINE)
REGENT SERIES
1694200-16HP



IGNITION/SHUTDOWN CIRCUIT



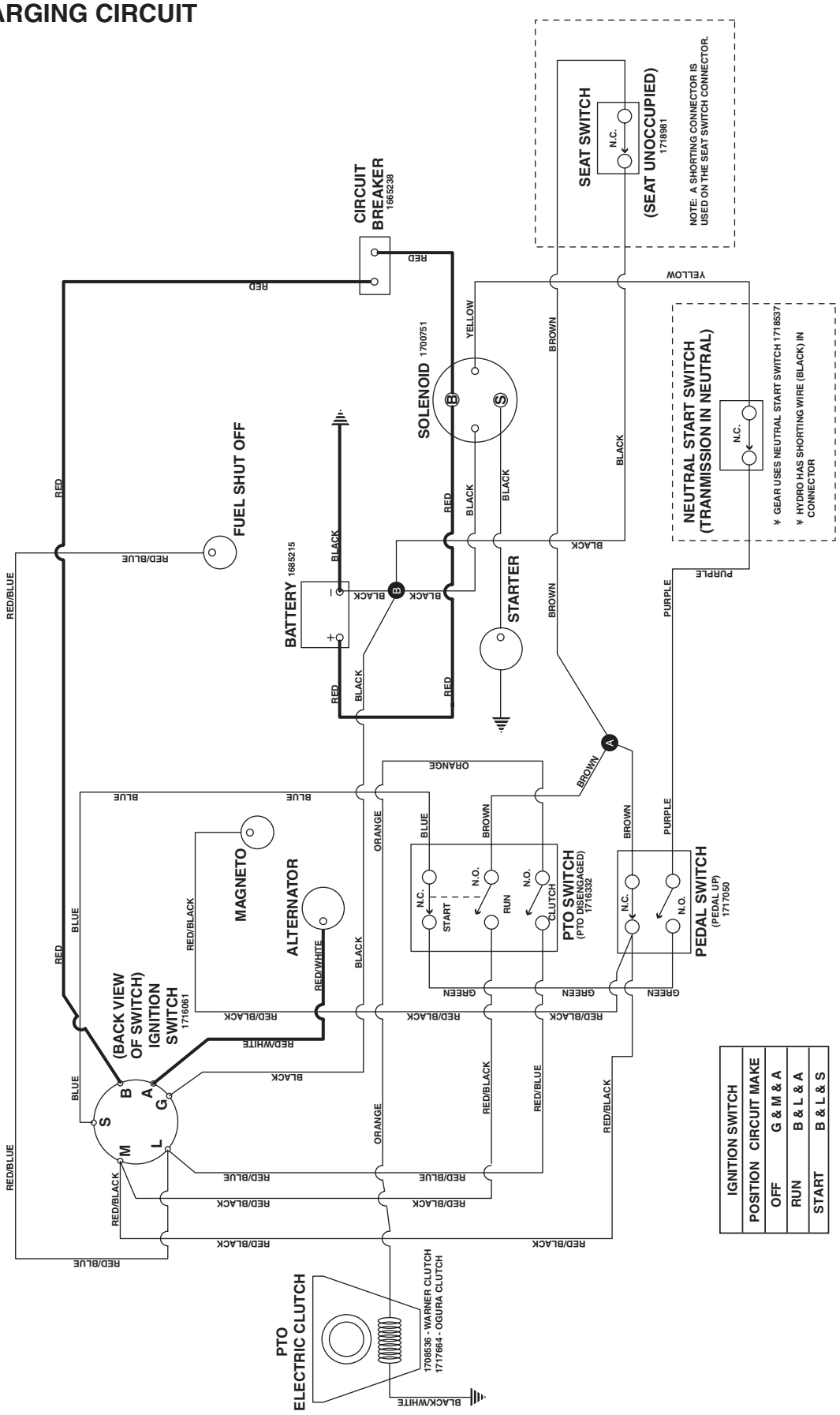
IGNITION SWITCH	
POSITION	CIRCUIT MAKE
OFF	G & M & A
RUN	B & L & A
START	B & L & S

(HYDRO AND GEAR MODELS)
ZT & CORONET SERIES
1693230-18HP
1693286-14HP
1693288-16HP
1693467-14HP
1693473-16HP
1693305-13HP
1693307-14HP
1693303-11HP-G
1694083-16HP
1694115-16HP
1694288-13HP

ZT & 400 SERIES
1693232-18HP
1693296-14HP
1693298-16HP
1693469-14HP
1693475-16HP
1693317-14HP
1693315-11HP-G
1693882-13HP
1694084-16HP
1694117-16HP
1694290-13HP

ZT & 2400 SERIES
1693234-18HP
1693300-14HP
1693302-16HP
1693471-14HP
1693477-16HP
1693321-14HP
1693319-11HP-G
1693884-13HP
1694085-16HP
1694289-13HP

CHARGING CIRCUIT



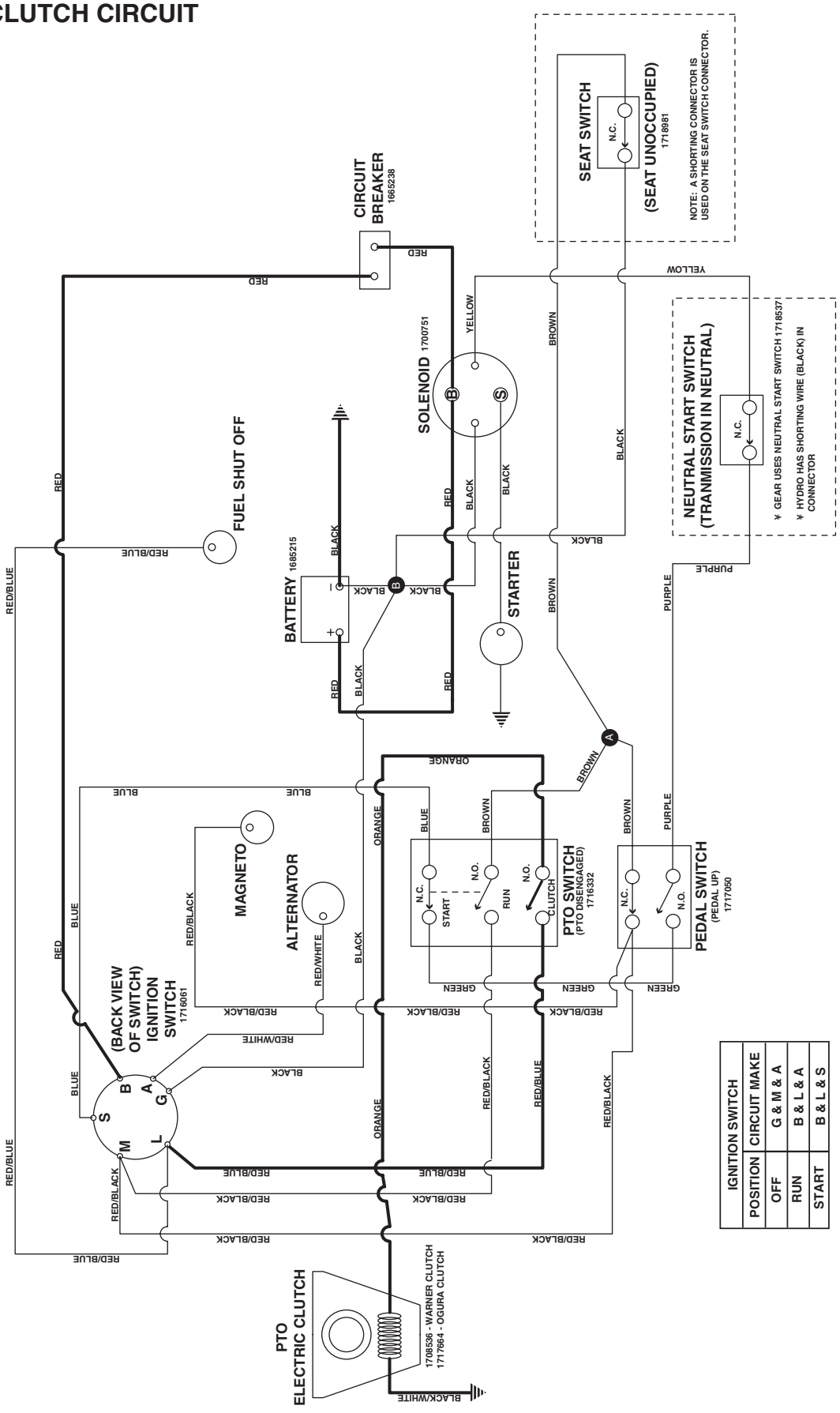
IGNITION SWITCH	
POSITION	CIRCUIT MAKE
OFF	G & M & A
RUN	B & L & A
START	B & L & S

(HYDRO AND GEAR MODELS)
ZT & CORONET SERIES
1693230-18HP
1693286-14HP
1693288-16HP
1693467-14HP
1693473-16HP
1693305-13HP
1693307-14HP
1693303-11HP-G
1694083-16HP
1694115-16HP
1694288-13HP

ZT & 400 SERIES
1693232-18HP
1693296-14HP
1693298-16HP
1693469-14HP
1693475-16HP
1693317-14HP
1693315-11HP-G
1693882-13HP
1694084-16HP
1694117-16HP
1694290-13HP

ZT & 2400 SERIES
1693234-18HP
1693300-14HP
1693302-16HP
1693471-14HP
1693477-16HP
1693321-14HP
1693319-11HP-G
1693884-13HP
1694085-16HP
1694289-13HP

CLUTCH CIRCUIT

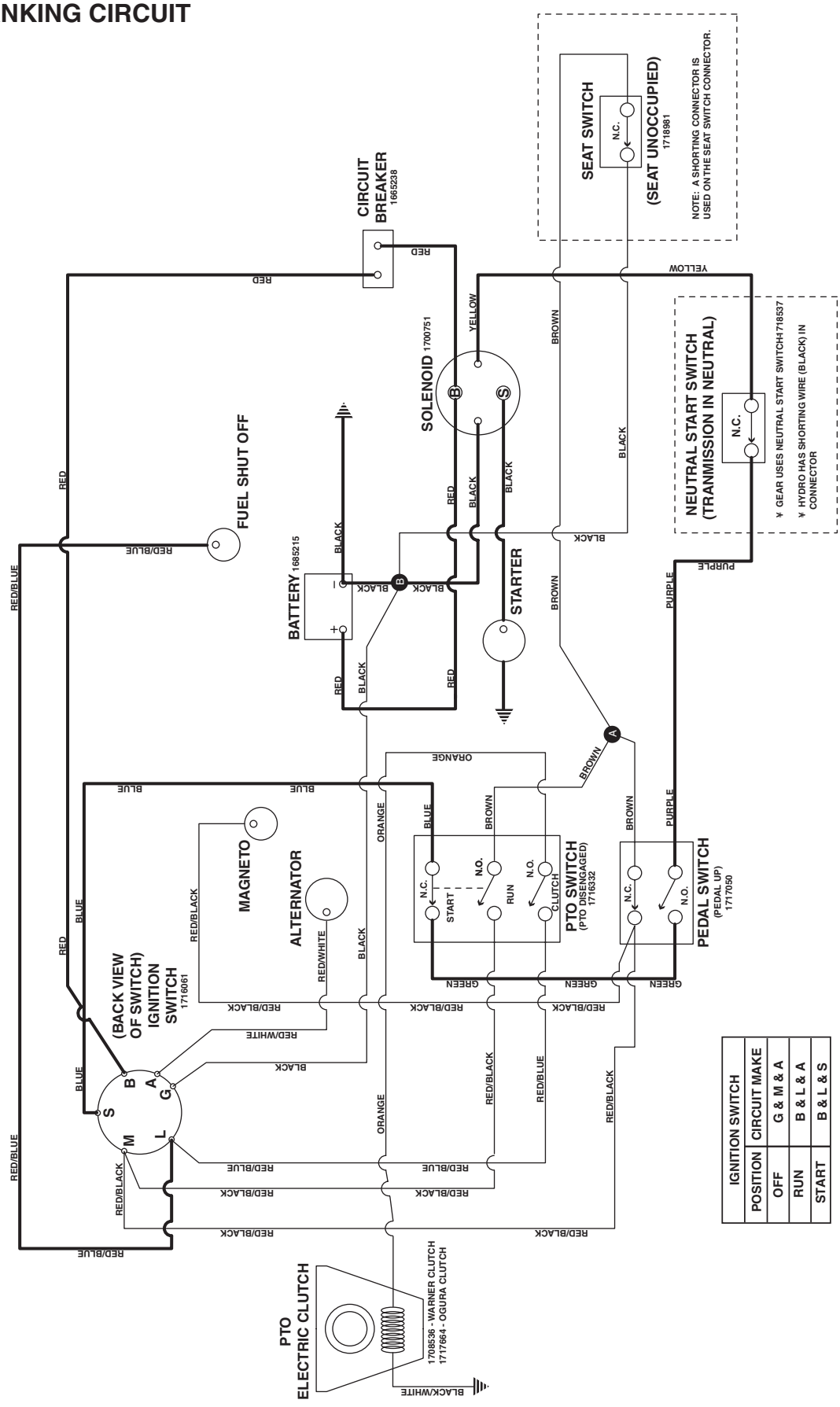


(HYDRO AND GEAR MODELS)
ZT & CORONET SERIES
1693230-18HP
1693286-14HP
1693288-16HP
1693467-14HP
1693473-16HP
1693305-13HP
1693307-14HP
1693303-11HP-G
1694083-16HP
1694115-16HP
1694288-13HP

ZT & 400 SERIES
1693232-18HP
1693296-14HP
1693298-16HP
1693469-14HP
1693475-16HP
1693317-14HP
1693315-11HP-G
1693882-13HP
1694084-16HP
1694117-16HP
1694290-13HP

ZT & 2400 SERIES
1693234-18HP
1693300-14HP
1693302-16HP
1693471-14HP
1693477-16HP
1693321-14HP
1693319-11HP-G
1693884-13HP
1694085-16HP
1694289-13HP

CRANKING CIRCUIT

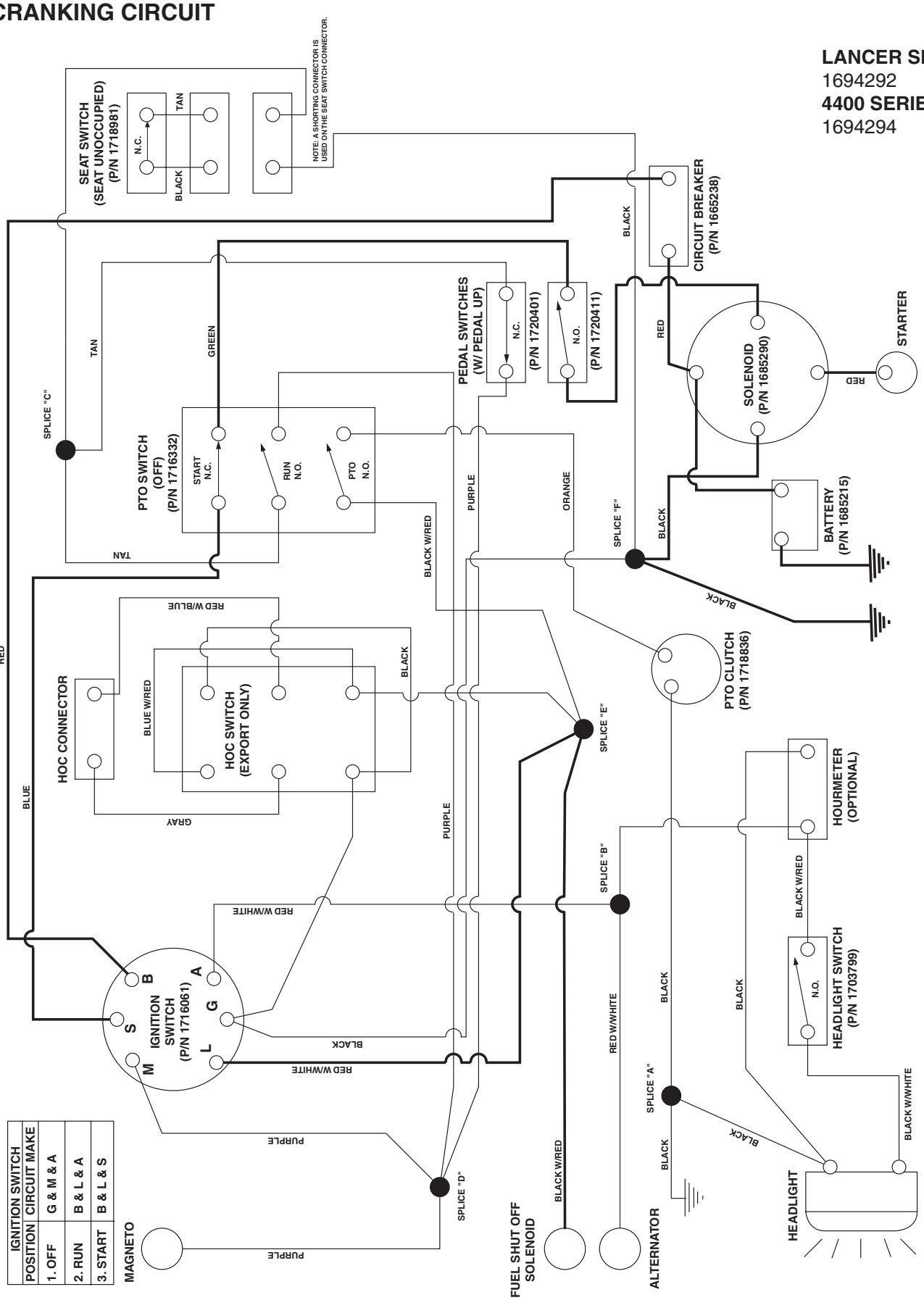


IGNITION SWITCH	
POSITION	CIRCUIT MAKE
OFF	G & M & A
RUN	B & L & A
START	B & L & S

(HYDRO AND GEAR MODELS)
ZT & CORONET SERIES
1693230-18HP
1693286-14HP
1693288-16HP
1693467-14HP
1693473-16HP
1693305-13HP
1693307-14HP
1693303-11HP-G
1694083-16HP
1694115-16HP
1694288-13HP
ZT & 400 SERIES
1693232-18HP
1693296-14HP
1693298-16HP
1693469-14HP
1693475-16HP
1693317-14HP
1693315-11HP-G
1693882-13HP
1694084-16HP
1694117-16HP
1694290-13HP
ZT & 2400 SERIES
1693234-18HP
1693300-14HP
1693302-16HP
1693471-14HP
1693477-16HP
1693321-14HP
1693319-11HP-G
1693884-13HP
1694085-16HP
1694289-13HP

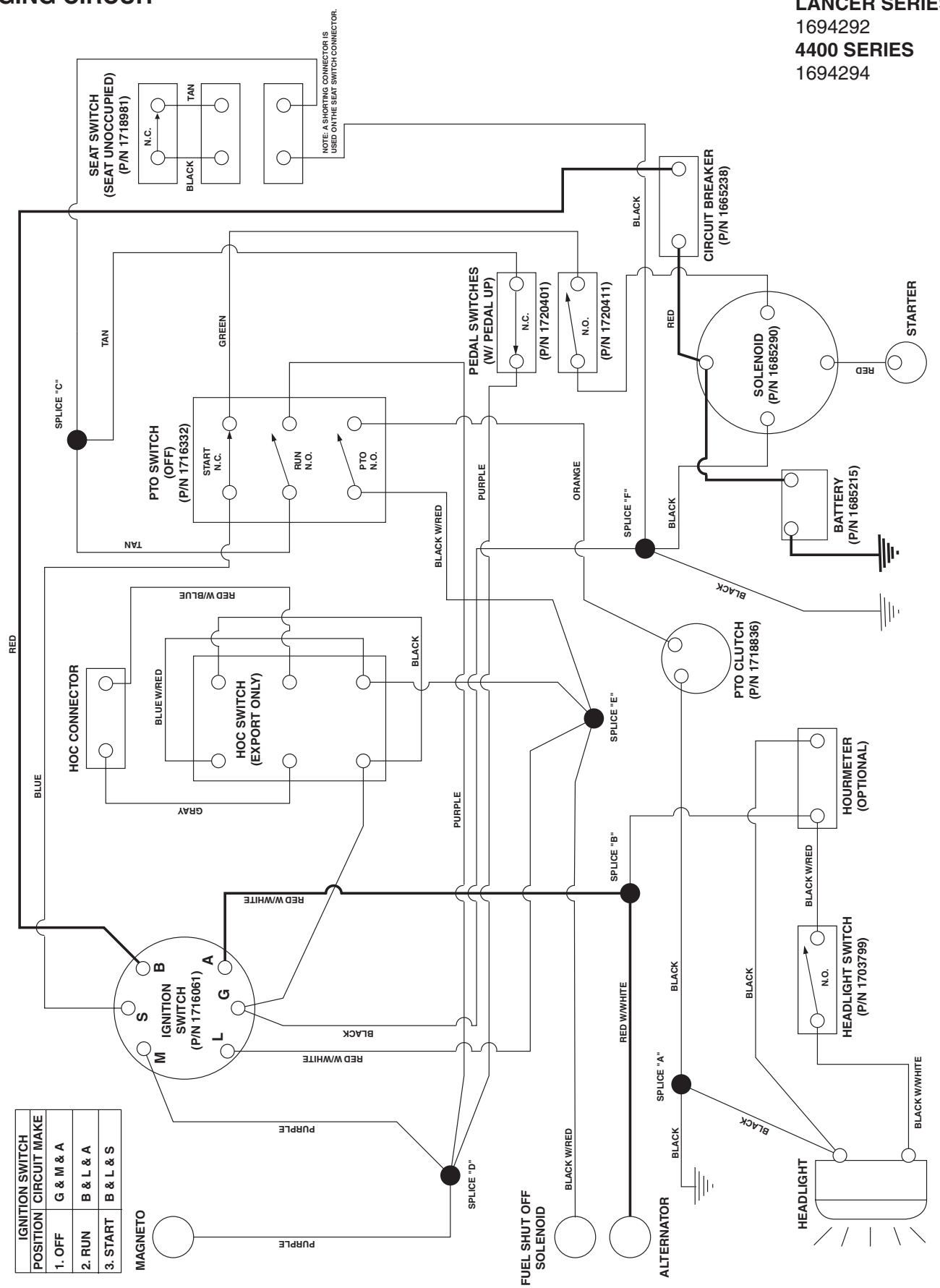
CRANKING CIRCUIT

LANCER SERIES
1694292
4400 SERIES
1694294



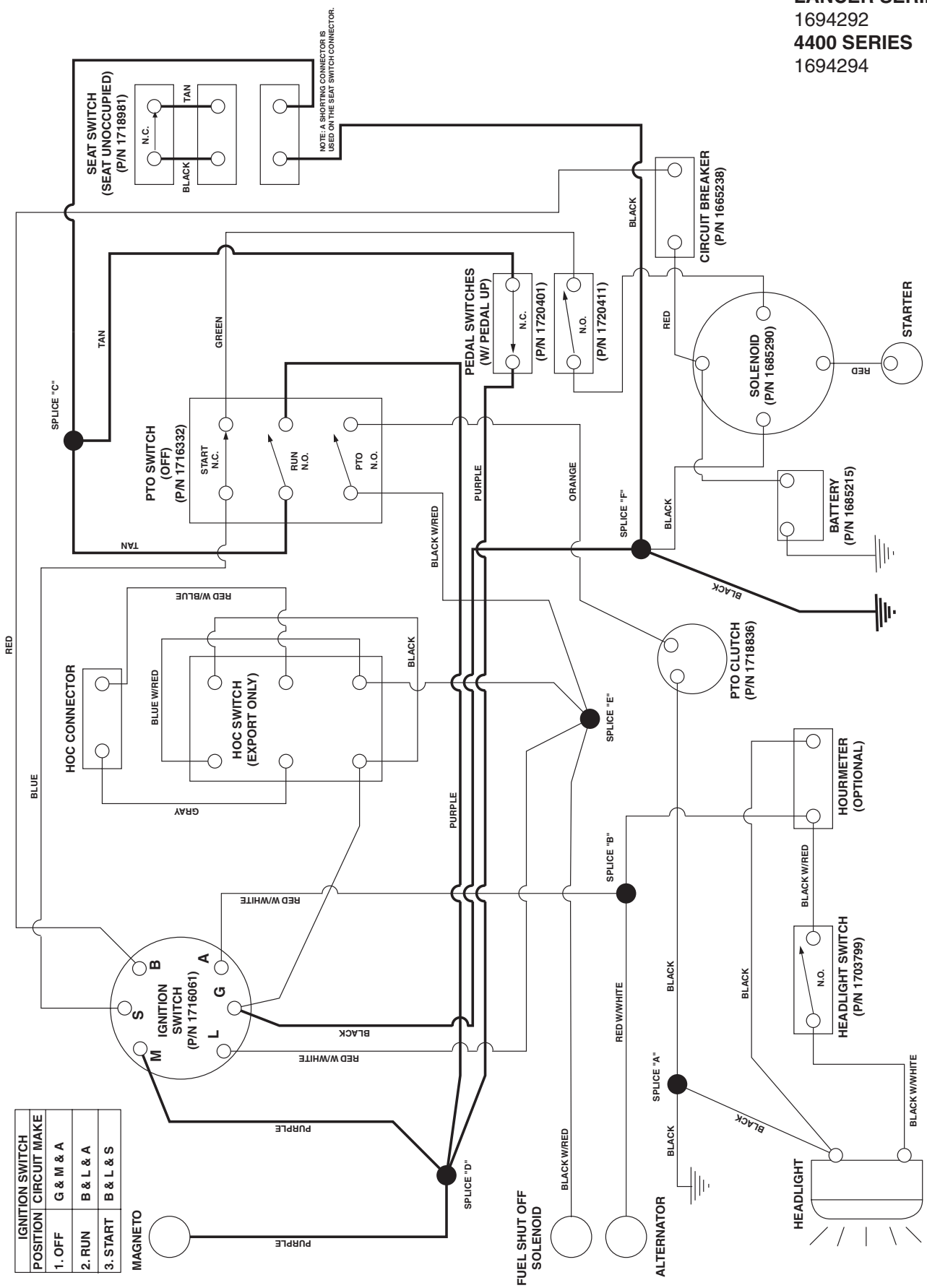
CHARGING CIRCUIT

LANCER SERIES
1694292
4400 SERIES
1694294



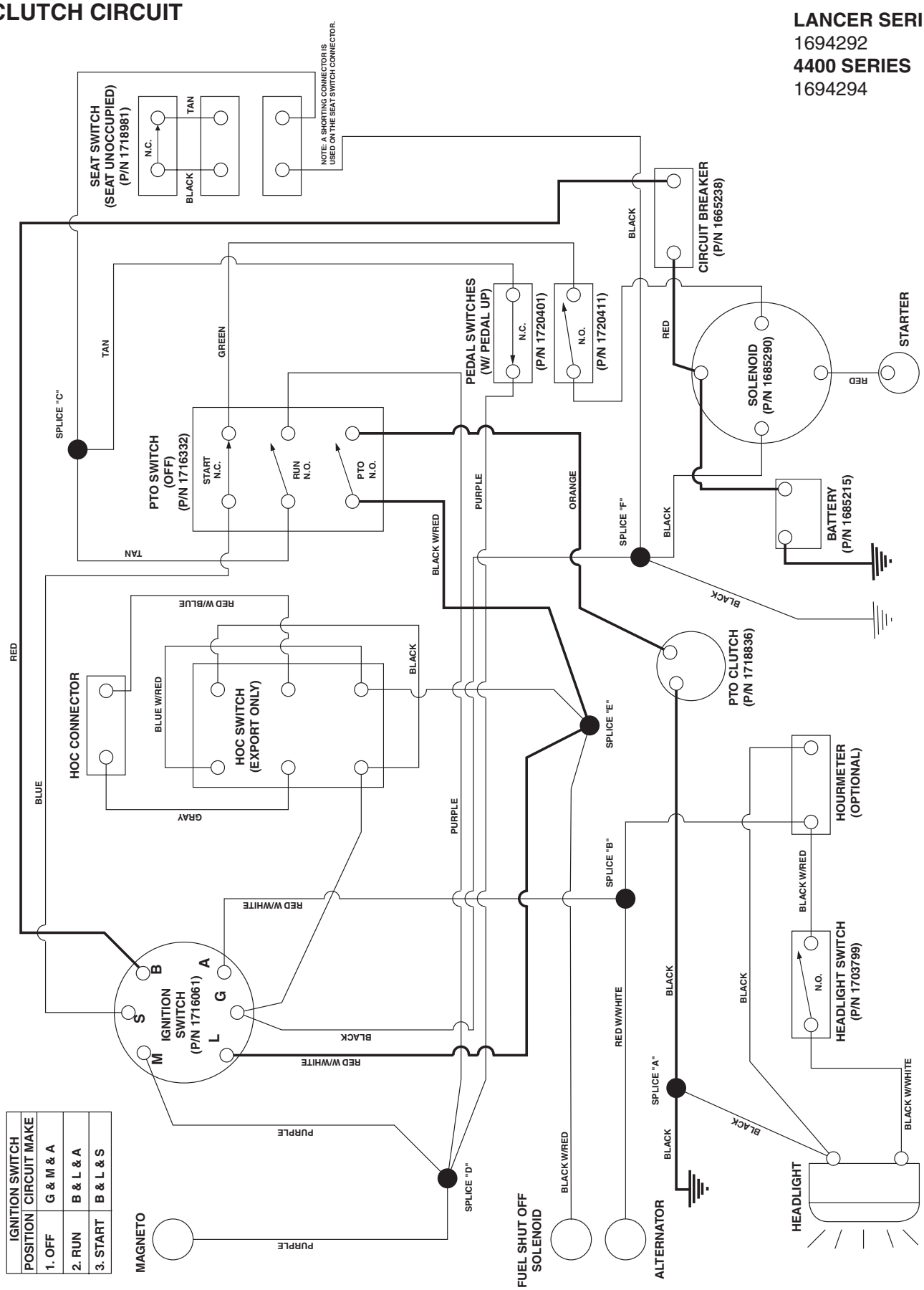
IGNITION/SHUTDOWN CIRCUIT

LANCER SERIES
1694292
4400 SERIES
1694294

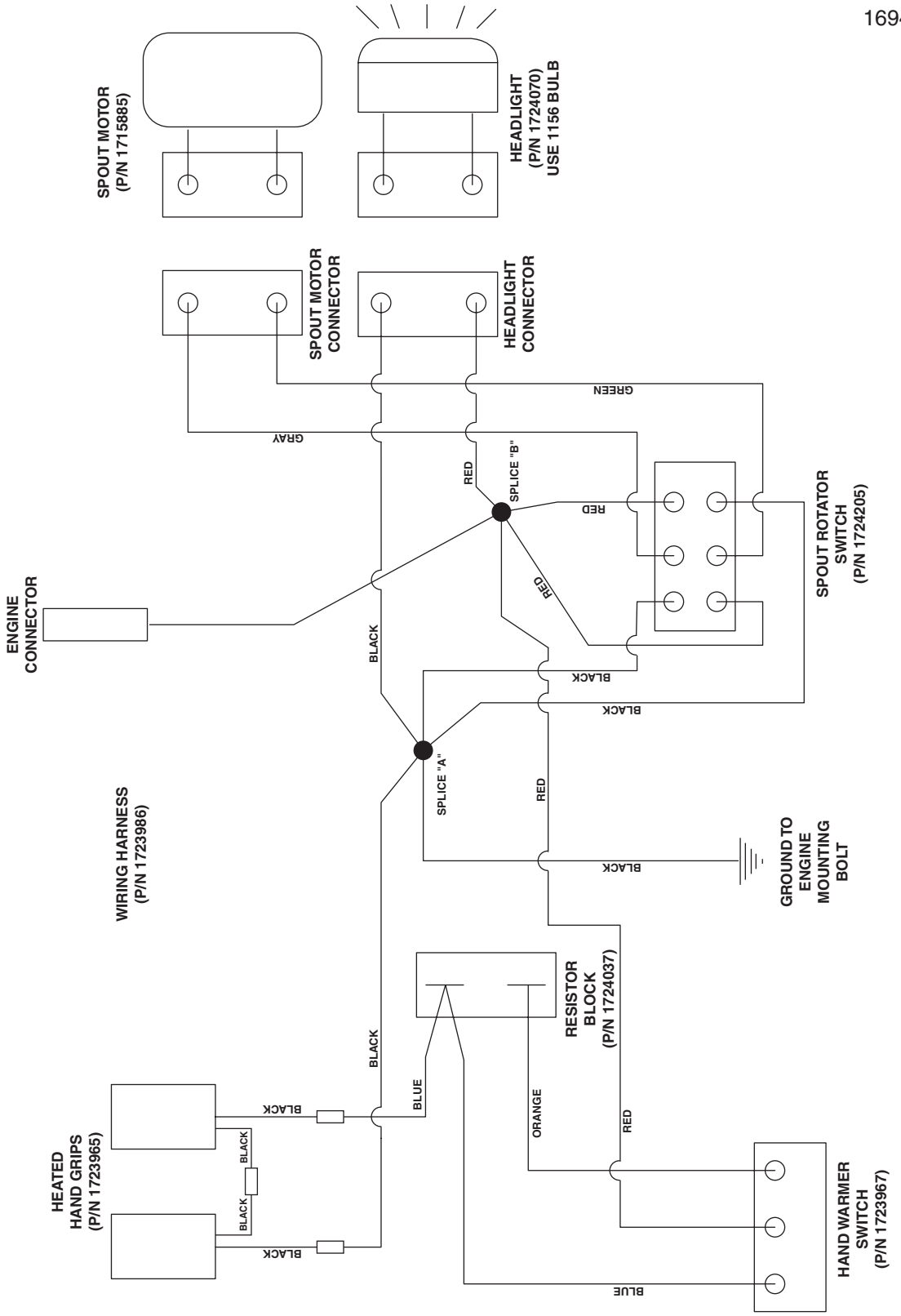


PTO CLUTCH CIRCUIT

LANCER SERIES
1694292
4400 SERIES
1694294



SIMPLICITY
1390 SNOWTHROWER
1694237



NOTES

NOTES

NOTES